NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

(NASA-CR-147617) TRANSITION HEATING RATES DETERMINED ON A 0.006 SCALE SPACE SHUTTLE ORBITER MODEL (No. 60-0) IN THE NASA/LARC MACH 8 VARIABLE DENSITY WIND TUNNEL TEST (OH14) (Chrysler Corp.) 619 p HC $16.25 N76-30278

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

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TRANSITION HEATING RATES DETERMINED ON A 0.006 SCALE SPACE SHUTTLE ORBITER MODEL (NO. 50-0) IN THE NASA/LaRC MACH 8 VARIABLE DENSITY WIND TUNNEL TEST (OH14)

by

J. Cummings

Shuttle Aerosciences
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC 8 VDHT 648
NASA Series Number: OH14
Model Number: 50-0
Test Dates: 17 and 18 October 1973

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ABSTRACT

This report presents data obtained from Wind Tunnel tests of an .006-scale Space Shuttle Orbiter model (Per Rockwell Lines VL70-000147B, Model 50-0) in the 18" Variable Density Wind Tunnel at Langley Research Center.

The tests, denoted as OH14, were performed to determine transition heating rates using thin skin thermocouples located at various locations on the Space Shuttle Orbiter.

The model was tested at M = 8.0 for a range of Reynolds numbers per foot varying from 1.0 to 10.0 million with angles-of-attack from 20 to 35 degrees incremented by 5 degrees.

The tests were conducted in 16.0 occupancy hours, beginning October 17 and ending October 18 with the completion of 30 test runs.

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E: RN/L, HAW/HT, 2Y/B, ALPHA

F: RN/L, HAW/HT, W.P., ALPHA

NOMENCLATURE

SYMBOL	PLOT SYMBOL	DEFINITION
b		model skin thickness, inches
$b/2$		wing semispan
c		Specific heat of model material, BTU/LBM-°R
C_p		Specific heat at constant pressure of airstream, BTU/LBM-°R
dT_w/dt		Temperature/time slope, °R/Sec
g		gravitational constant, ft/sec^2
h_{local}		local heat transfer coefficient, lbm/ft^2-sec
hi	HI	heat transfer coefficient in interference flow field, lbm/Ft^2-sec
h_{ref}	HREF	reference heat transfer coefficient (stagnation on 1 foot full scale sphere), lbm/ft^2-sec
$h(T_o)$		local T/C heat-transfer coefficient
h_u	HU	heat transfer coefficient in undisturbed flow field, lbm/ft^2-sec
H		enthalpy, BTU/lb
H_{aw}		Adiabatic wall enthalphy, BTU/lb
H_o		stagnation enthalpy
k		thermal conductivity coefficient, BTU/FT-sec
M		Mach number
P_o		Stagnation Pressure, PSIA
P		Static Pressure, PSIA
P_r		Prandtl Number
$\dot{q}$		Heat Flux, BTU/FT^{2}sec
$\dot{q}ot$	QDOT	stagnation - Point heat transfer, rate calculated using Fay and Raddell's equation BTU/FT^2 - sec.
$\dot{q}_w/\dot{q}_{ot}$		ratio of wall heat-transfer rate to theoretical stagnation point heat-transfer rate
r_s		radius of scaled one-ft sphere, inches
r		adiabatic wall temperature ratio (TAW/To) = Recovery factor
R		gas constant, FT-Lb/Slug- ^{o}R
	H/HO	model-to-sphere ratio of heat transfer coefficient

NOMENCLATURE – (Concluded)

SYMBOL	PLOT SYMBOL	DEFINITION
Re		Reynolds number
Re/l	RN/L	unit Reynolds number, million per foot
t		time, sec
T		temperature, °R
T/C		Thermocouple No.
T_w		Wall temperature initial, °R
U		velocity, ft/sec
W		Density of model material, lbm/Ft^2
X/C	X/C	fraction of local chord
XO		Orbiter longitudinal coordinate, in.
X		Tank longitudinal coordinate, in.
X/L	X/L	fraction of fuselage length
YO		Orbiter lateral coordinate, in.
Y_T		Tank lateral coordinate, in
ZO		Orbiter vertical coordinate, in.
Z_T		Tank vertical coordinate, in.
α	ALPHA	Angle between model centerline and wind vector, deg.
μ		viscosity of air, lb-sec/Ft
ρ		density of air, $slug/ft^3$
β	BETA	angle of sideslip, deg
ϕ	PHI	T/C Location angle, deg
ϕ_m		model roll angle, deg

Subscripts:

aw	Adiabatic wall
∞	Tunnel Free-stream conditions
m	measured
o	tunnel stagnation conditions
t	theoretical
w	model wall conditions
'	Primed quantities indicate conditions behind normal shock

REMARKS

This series of tests utilized the 0.006 scale model of the space shuttle orbiter and was conducted in the NASA Langley Research Center 18-inch Variable Density Wind Tunnel at M = 8.0. The model was mounted inverted in the test section. Material properties for this model are presented in the Data Reduction section of this report and in figure 2.

Schlieren photographs were taken for each run, although some were lost due to a failure of the camera.

Parameters varied during testing were Reynolds number and angle of attack.

CONFIGURATION INVESTIGATED

The model was a 0.006-scale representation of the Rockwell International Space Shuttle Orbiter. The configuration is defined by Rockwell Drawing VL70-000147B.

The orbiter was cast in one piece from stainless steel (PH 17-4) and was instrumented with 77 thin skin thermocouple inserts. The underside centerline and BP 117.0 was instrumented with 33 thermocouples. The underside left wing was instrumented with 23 thermocouples in three chordwise rows. The upper fuselage side wall and chine areas were instrumented with 16 and 3 thermocouples, respectively. The OMS Pod and Canopy were each instrumented with 1 thermocouple. X/L, X/C and ϕ locations and skin thicknesses are given in table IV and figure 1b.

The thermocouples were fabricated of 30 gage iron-constantan with Kapton insulation. The thermocouples were attached to thin skin (.035 $\pm$ .005 - inch) stainless steel inserts. Figure 2 presents specific heat vs. temperature for 17-4 PH stainless steel.

The model contained no movable parts; therefore, the orbiter configuration was defined for this test as O_1

where:	O_1	=	$B_{22}\ C_7\ F_5\ M_4\ V_7\ W_{111}$
	B_{22}	=	Fuselage
	C_7	=	Canopy
	F_5	=	Body Flap
	M_4	=	OMS Pods
	V_7	=	Vertical
	W_{111}	=	Wing

Table III provides a complete description of the configuration components.

TEST FACILITY DESCRIPTION

The Langley Mach 8.0 Variable Density Hypersonic Wind Tunnel is located in building 1247-D and is under the direction of the Aerophysics division. The tunnel is used for fundamental aerodynamic and fluid dynamic investigations over large Reynolds number ranges using pressure and heat transfer measurements. The test medium is air and is heated by a combination of dowtherm and electrical resistance heaters. The models are sting mounted with injection from the bottom of the test section after flow has been established. The tunnel has an axially symmetric contoured nozzle. The tunnel has an 18-inch diameter cross-section with a core of 4 to 14 inches, depending on the pressure.

Examples of operating conditions are:

Stagnation Pressure (PSIA)	15 to 2930
Stagnation Temperature (^{o}R)	1160 to 1510
Mach Number	7.5 to 8.0
Reynolds Number (1/FT)	0.1 X 10^6 to 12.0 X 10^6
Running Time (sec.)	
Exhaust into vaccuum tank	90
Exhaust into atmosphere	600

TEST PROCEDURE

The model thermocouples were checked prior to testing. The check consisted of installing a glove on the model which marked the location and identification number of each thermocouple. Heat was applied to each thermocouple with a soldering iron and a simultaneous visual check of the tunnel instrumentation panel was made to determine if the thermocouple was operating properly.

The model was installed in the tunnel in an inverted position. During installation it was noted that the vertical tail would not clear the injector mechanism at angles of attack greater than 35°. Angles of attack during this test were, therefore, limited to 35°.

The testing sequence was as follows. The model remained in the injection chamber when tunnel flow was initiated until a stable flow condition was established and the desired stagnation temperature was attained. The model was then injected into the test section where it remained for approximately 4 to 5 seconds. It was then retracted back into the injection chamber. The tunnel and model were changed prior to the next run.

DATA REDUCTION

The thermocouple heat-transfer data was reduced by the one dimensional thin wall equation

$$\dot{q} = Wcb \frac{dT_w}{dt}, \qquad BTu/ft^2\text{-sec} \tag{1}$$

The theoretical stagnation-point heat-transfer rate calculated using Fay and Riddell's equation:

$$\dot{q}_{ot} = 0.94\ (\rho_w\mu_w)^{0.5}(\rho_o'\mu_o'/\rho_w\mu_w)^{0.4}\ (H_o - H_w)\ (du/dx)^{0.5} \tag{2}$$

where

$$\mu = \frac{0.0232 \times 10^{-6} T^{0.5}}{1 + (220/T)}$$

and

$$\frac{du}{dx} = (1/r_s)\ [2RT(1 - P_\infty/P_o')]^{0.5}$$

The local heat-transfer coefficient for each thermocouple was computed by:

$$h_{local} = \frac{\dot{q}}{rT_o - T_w} \tag{3}$$

at r = 0.9, 0.85.

The ratio of the local heat-transfer coefficient to reference heat-transfer coefficient for each thermocouple was computed using:

$$h_{ref} = \frac{q_{ot}}{T_o - T_w} \tag{4}$$

TABLE I

TEST : OH-14			DATE :

TEST CONDITIONS

M=8.0

BECKMAN No.	REYNOLDS NUMBER (Million per Foot)	TOTAL PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
6060	1.0	200	870
6061	3.0	690	935
6062	4.0	960	975
6063	5.0	1200	965
6064	6.0	1465	960
6065	8.0	2000	965
6066	10.0	2485	965
6067	1.0	200	800
6068	3.0	700	900
6069	4.0	955	990
6070	4.5	1075	955
6122	5.0	1220	965
6123	5.5	1330	940
6124	6.0	1460	920
6125	8.0	2015	970
6126	10.0	2515	935

BALANCE UTILIZED: ____________

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	______	______	______
SF	______	______	______
AF	______	______	______
PM	______	______	______
RM	______	______	______
YM	______	______	______

COMMENTS:

TABLE I - (Concluded)

TEST : OH-14

DATE :

TEST CONDITIONS

M = 8.0

BECKMAN I.D.	REYNOLDS NUMBER (Million per Foot)	TOTAL PRESSURE (pounds/sq. inch)	STAGNATION TEMPERATURE (degrees Fahrenheit)
6127	1.0	200	790
6128	3.0	705	910
6129	4.0	975	970
6130	5.0	1220	925
6131	6.0	1455	950
6132	8.0	2020	925
6133	10.0	2510	980
6134	2.0	460	810
6135	5.0	1210	975
6136	1.0	210	820
6137	3.0	700	925
6138	6.0	1460	965
6139	8.0	2020	965
6140	2.0	460	900

BALANCE UTILIZED: ____________________

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF			
SF			
AF			
PM			
RM			
YM			

COMMENTS:

TABLE II.

TEST: CH 14					DATA SET/RUN NUMBER COLLATION SUMMARY								DATE:					
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	[illegible] NUMBER									
		α	β	M					1.[illegible]	2.0	3.0	4.0	4.5	5.0	5.5	[illegible]	8.[illegible]	10.0
RQL002	$B_{22}C_{7}F_{5}M_{4}V_{7}W_{111}$	20	C	8.0				4	[illegible]136		6137					6138	6139	
3		25						7	6127		[illegible]	6129		[illegible]		6131	6132	6133
4		30						9	6067		[illegible]	[illegible]	[illegible]	[illegible]	6123	6124	[illegible]	[illegible]
5		35						7	6060		6061	6062		[illegible]		6064	[illegible]	6066

TEST RUN NUMBERS

R: H/HO | RN/L | HAW/HT

Q: GDMT | RN/L | MACH

TYPE OF DATA	COEFFICIENT SCHEDULES	IDVAR (1)	IDVAR (2)	NDV
α OR β SCHEDULES				

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TABLE III MODEL DIMENSIONAL DATA

MODEL COMPONENT : BODY - B_{22}

GENERAL DESCRIPTION : Fuselage, Configuration 3A

MODEL SCALE: 0.006

DRAWING NUMBER : VL70-000147B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length In.	1290.3	7.742
Max Width, In.	267.6	1.606
Max Depth , In.	244.5	1.467
Fineness Ratio	4.846	4.846
Area - Ft^2		
Max. Cross-Sectional	386.67	0.0139
Planform		
Wetted		
Base		

TABLE III (Cont'd)

MODEL COMPONENT : CANOPY - C_7

GENERAL DESCRIPTION : Configuration 3

MODEL SCALE: 0.006

DRAWING NUMBER : VL70-000139

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length(X_O = 433 to X_C = 670), In.	FS 237.00	1.422
Max Width		
Max Depth		
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

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TABLE III (Cont'd)

MODEL COMPONENT : BODY FLAP - F_5

GENERAL DESCRIPTION : Configuration 3

MODEL SCALE: 0.006

DRAWING NUMBER : VL70-000139

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length , In.	84.70	0.508
Max Width , In.	267.6	1.606
Max Depth		
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional		
Planform	142.5	0.005
Wetted		
Base	38.0958	0.0014

TABLE III (Cont'd)

MODEL COMPONENT : OMS POD - M_4

GENERAL DESCRIPTION : Configuration 3

NOTE: M_4 identical to M_3, except intersection to fuselage.

MODEL SCALE: 0.006

DRAWING NUMBER : VL70-000139

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length, In.	346.0	2.076
Max Width, In.	108.0	0.648
Max Depth, In.	113.0	0.678
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III (Cont'd)

MODEL COMPONENT: VERTICAL - V_7

GENERAL DESCRIPTION: Centerline vertical tail, doublewedge airfoil with rounded leading edge.

NOTE: Same as V_5, but with manipulator housing removed.

MODEL SCALE: 0.006

DRAWING NUMBER: VL70-000139

DIMENSIONS:

	FULL SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo) - Ft^2		
Planform	425.92	0.0153
Span (Theo) - In.	315.72	1.894
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees.		
Leading Edge	45.000	45.000
Trailing Edge	26.249	26.249
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	268.50	1.611
Tip (Theo) WP	108.47	0.651
MAC	199.81	1.199
Fus. Sta. of .25 MAC	1463.50	8.781
W.P. of .25 MAC	635.522	3.813
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.920	14.920
Leading Edge Radius	2.00	0.012
Void Area	13.17	0.005
Blanketed Area	0.0	0.0

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TABLE III (Concluded)

MODEL COMPONENT: WING-W_{111}

GENERAL DESCRIPTION: Configuration 3A.

NOTE: Identical to W_{107}, except lowered 3.5" and increased cuff incidence.

MODEL SCALE: 0.006

TEST NO.

DWG. NO. VL70-000147B

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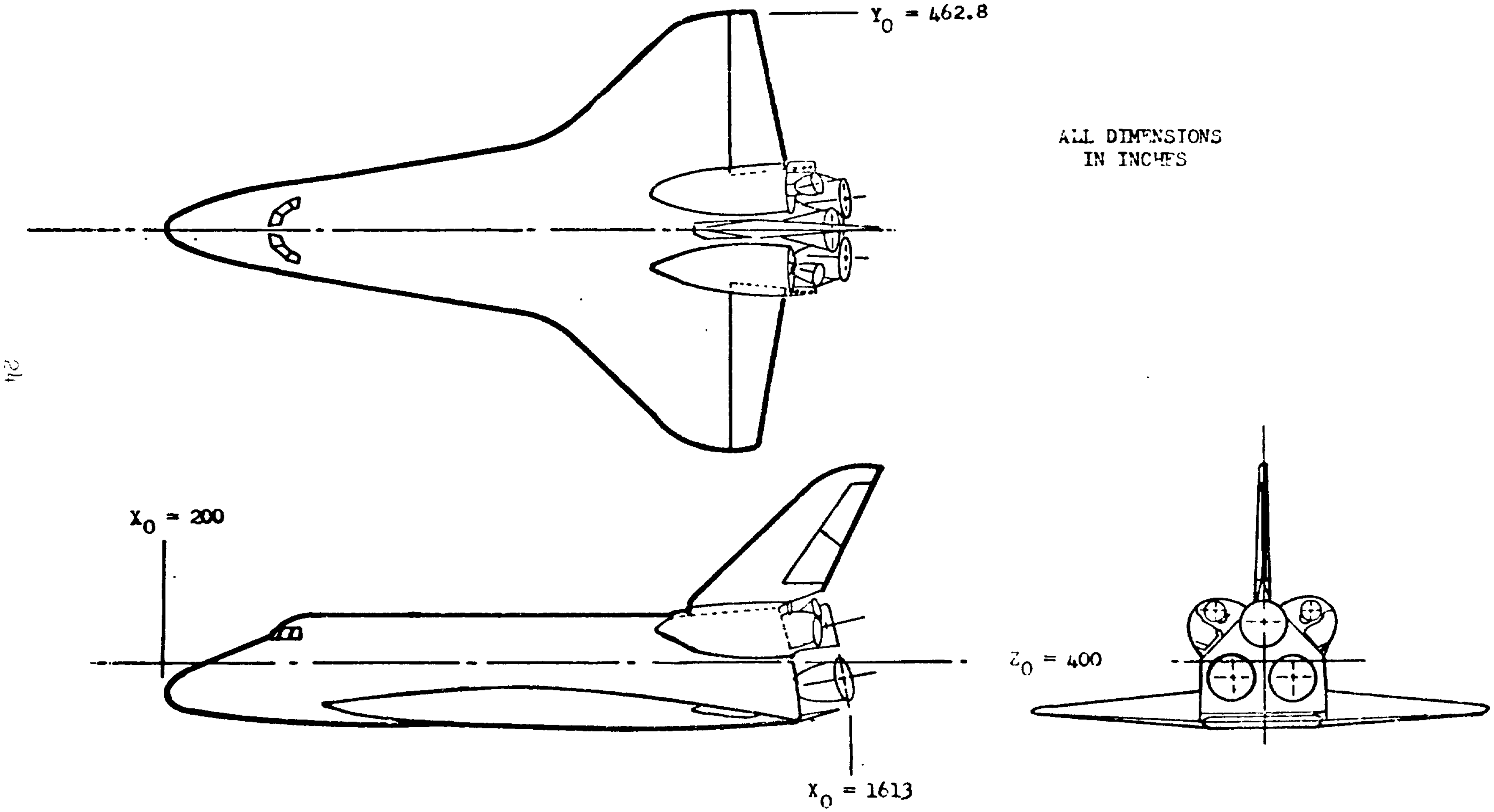
DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2		
Planform	2690.00	0.0968
Span (Theo In.	936.68	5.620
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.24	- 10.24
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	4.135
Tip, (Theo) B.P.	137.85	0.827
MAC	474.81	2.849
Fus. Sta. of .25 MAC	1136.89	6.821
W.P. of .25 MAC	295.70	1.774
B.L. of .25 MAC	182.13	1.093
EXPOSED DATA		
Area (Theo) Ft^2	1752.29	0.063
Span, (Theo) In. BP108	720.68	4.324
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords		
Root BP108	562.40	3.374
Tip 1.00 $\frac{b}{2}$	137.85	0.827
MAC	393.03	2.358
Fus. Sta. of .25 MAC	1185.31	7.112
W.P. of .25 MAC	296.70	1.780
B.L. of .25 MAC	251.76	1.511
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ =	0.100	0.100
Tip $\frac{b}{2}$ =	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft^2	118.333	0.0043
Leading Edge Intersects Fus M. L. @ Sta	500.00	3.000
Leading Edge Intersects Wing @ Sta	1083.5	6.501

TABLE IV. ORBITER THERMOCOUPLE LOCATIONS AND SKIN THICKNESS

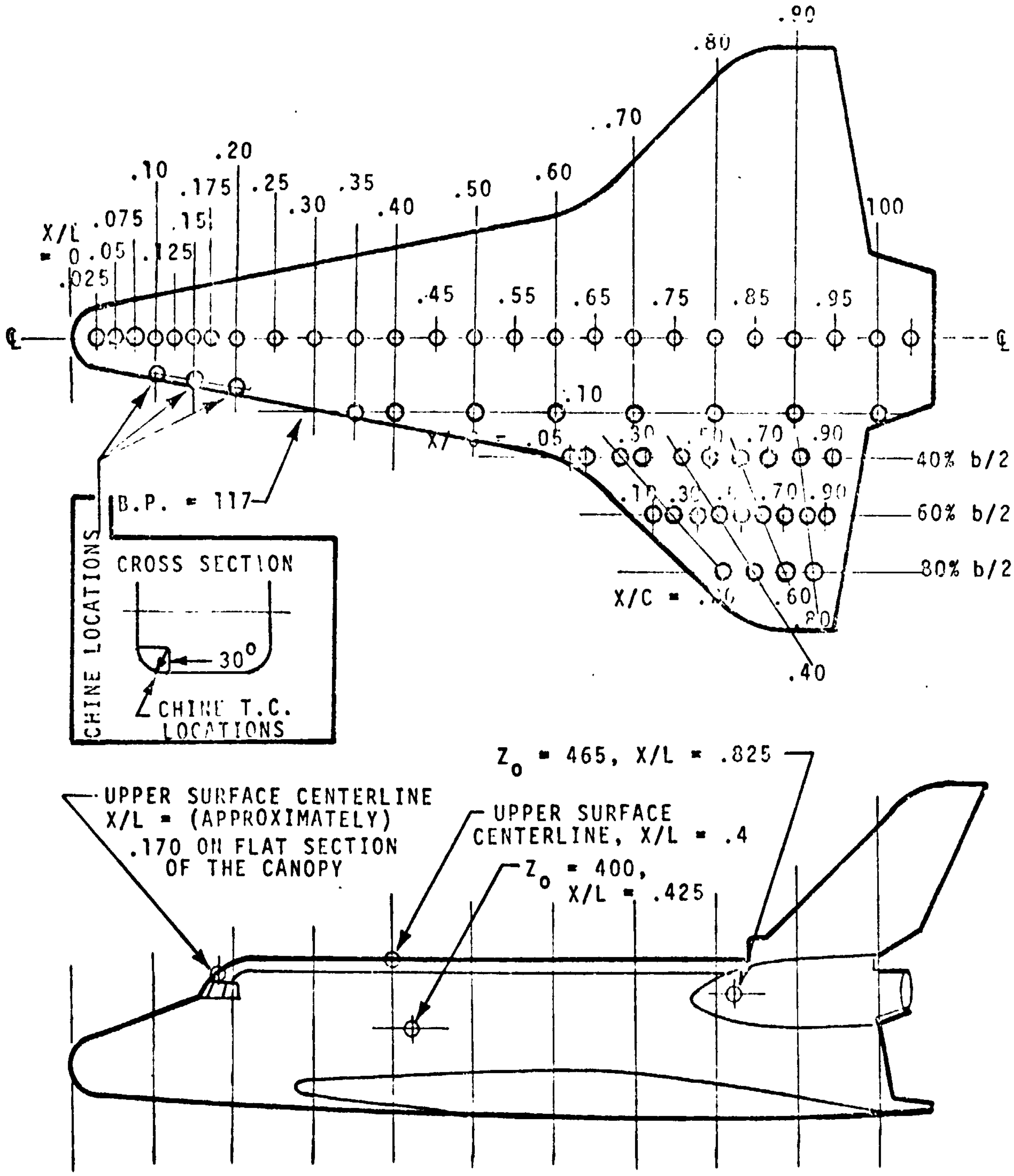
T/C NO.	SKIN THICKNESS	LOCATION DIST FROM X_o=238.0	LOCATION x/L	MODEL PART	T/C NO.	SKIN THICKNESS	LOCATION DIST FROM X_o=238.0	LOCATION x/L	MODEL PART
1	.035	.194	.025	Underside Fuselage ℄	34	.034	2.323	.30	Body Sidewall
2	.035	.387	.05		35	.033	2.323	.30	
3	.035	.581	.075		36	.034	2.323	.30	
4	.034	.774	.10		37	.035	3.097	.40	
5	.033	.968	.125		38	.034	3.097	.40	
6	.033	1.161	.150		39	.035	3.097	.40	
7	.034	1.355	.175		40	.035	3.871	.50	
8	.034	1.548	.20		41	.034	3.871	.50	
9	.035	1.935	.25		42	.035	3.871	.50	
10	.035	2.323	.30		43	.035	4.645	.60	
11	.035	2.710	.35		44	.033	4.645	.60	
12	.034	3.097	.40		45	.035	4.645	.60	
13	.034	3.484	.45		46	.034	5.419	.70	
14	.035	3.871	.50		47	.032	5.419	.70	
15	.035	4.258	.55		48	.035	5.419	.70	
16	.035	4.645	.60		49	.038	6.387	.825	OMS Pod
17	.035	5.032	.65		50	.035	.774	.10	Chine
18	.035	5.419	.70		51	.035	1.161	.15	Chine
19	.035	5.806	.75		52	.035	1.548	.20	Chine
20	.035	6.193	.80		53	.035	1.316	.170	Canopy
21	.035	6.581	.85		54	.035	3.290	.425	Mid Body
22	.035	6.968	.90						
23	.036	7.355	.95						
24	.036	7.742	1.00						
25	.036	8.051	1.04						
26	.030	2.710	.35	Underside Fus. BP117					
27	.027	3.097	.40						
28	.027	3.871	.50						
29	.027	4.645	.60						
30	.027	5.419	.70						
31	.028	6.193	.80						
32	.031	6.968	.90						
33	.036	7.742	1.00						

TABLE IV. (Concluded)

T/C NO.	SKIN THCK	LOCATION DIST FR L E	% CHORD	b/2	MODEL PART
55	.031	.149	.05	40%	Wing
56	.030	.298	.10	40%	BP=187.33
57	.030	.598	.20	40%	
58	.029	.896	.30	40%	
59	.028	1.195	.40	40%	
60	.028	1.494	.50	40%	
61	.028	1.793	.60	40%	
62	.028	2.092	.70	40%	
63	.029	2.390	.80	40%	
64	.029	2.689	.90	40%	
65	.034	.215	.10	60%	BP=281.00
66	.032	.430	.20	60%	
67	.031	.644	.30	60%	
68	.030	.859	.40	60%	
69	.030	1.074	.50	60%	
70	.030	1.289	.60	60%	
71	.030	1.504	.70	60%	
72	.029	1.718	.80	60%	
73	.029	1.933	.90	60%	
74	.034	.298	.20	80%	BP=314.67
75	.034	.595	.40	80%	
76	.034	.893	.60	80%	
77	.035	1.190	.80	80%	



(a) Orbiter Three-View.
Figure 1. - Model Sketches.



(b) Orbiter Instrumentation.
Figure 1. - Concluded.

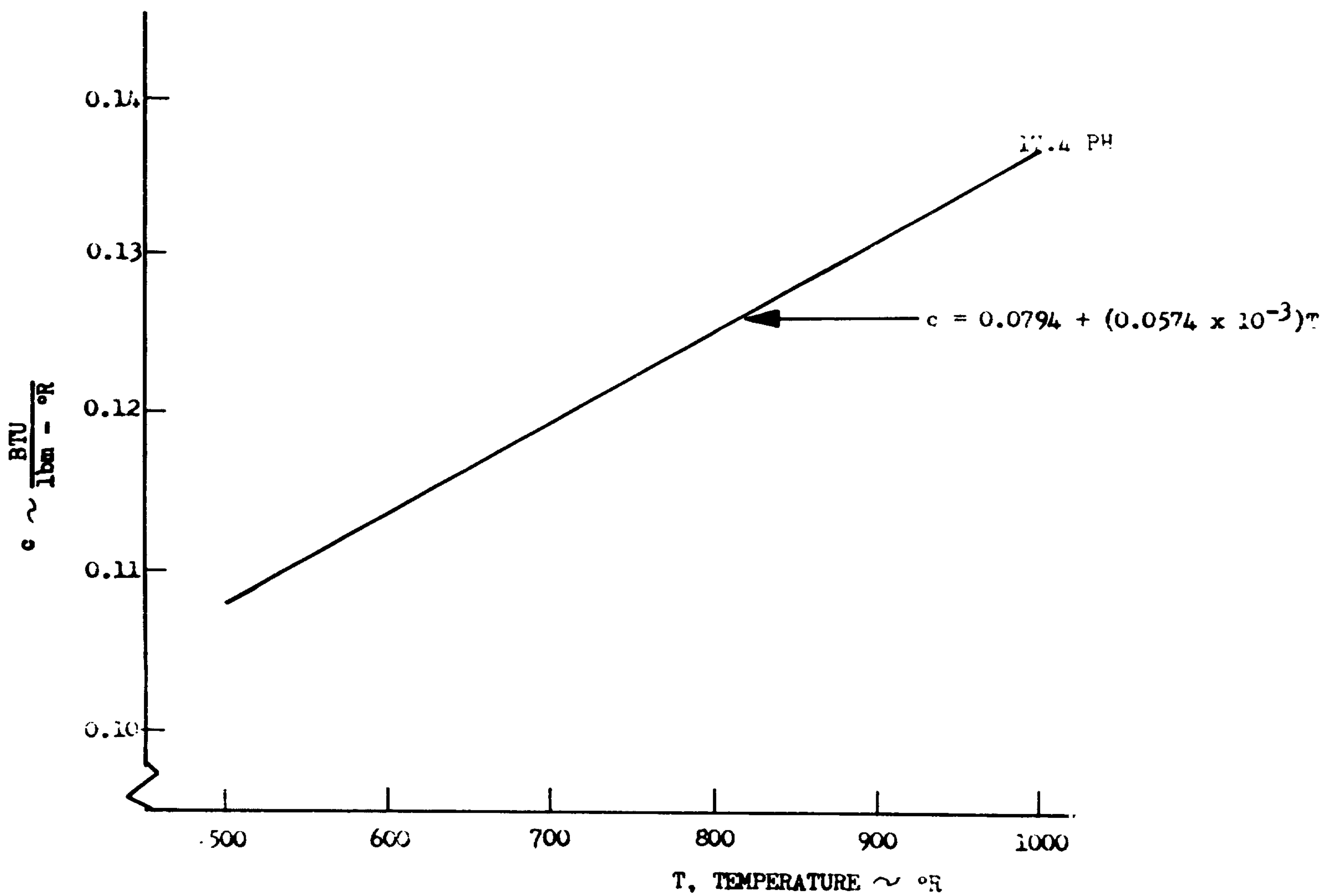


Figure 2. - Specific heat variation with temperature for 17-4 PH stainless steel.

Figure 3. - Schlieren Photograph at 25 degrees angle of attack.

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DATA FIGURES

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(RQLB02) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

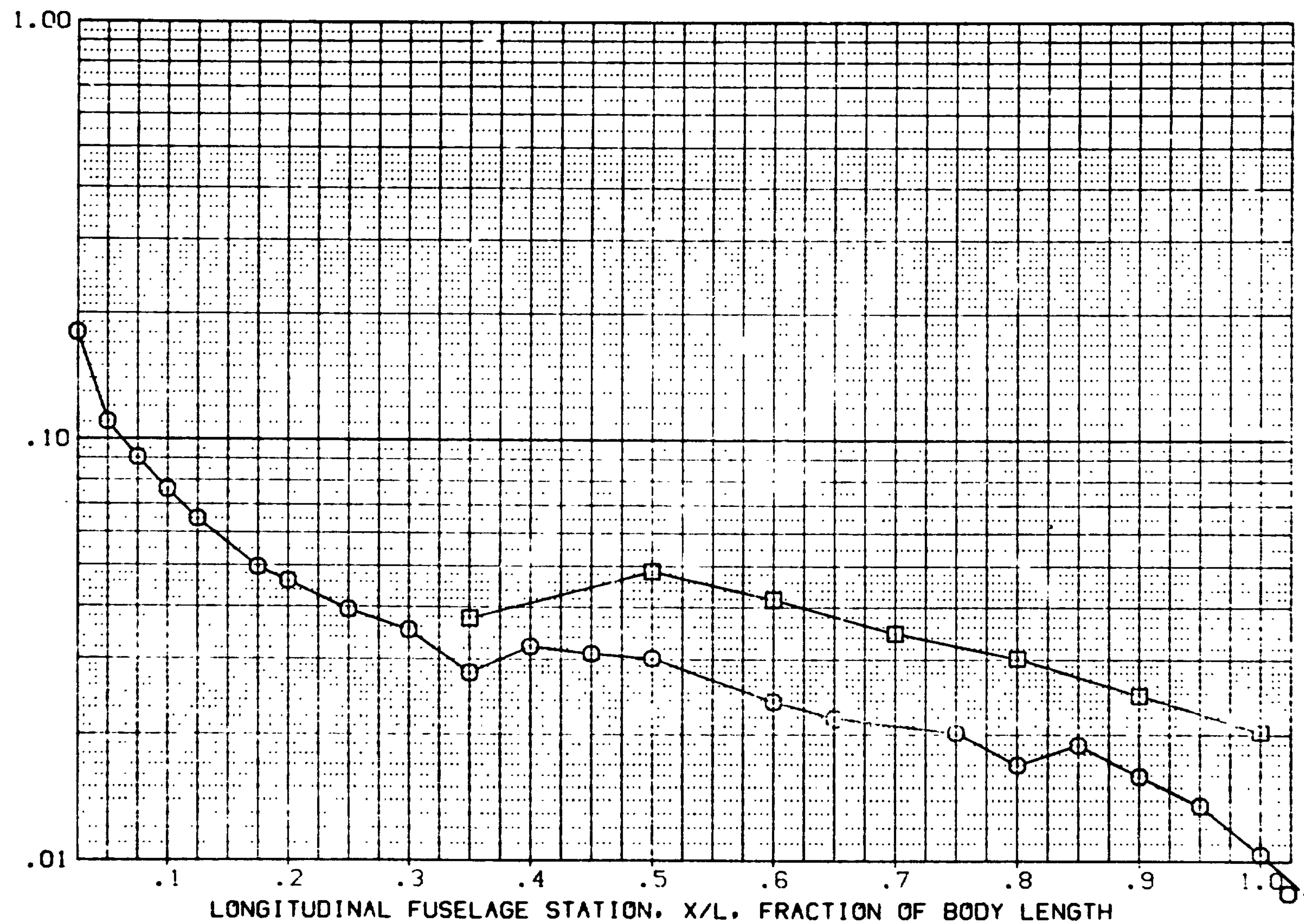

FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

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(RQLB02) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

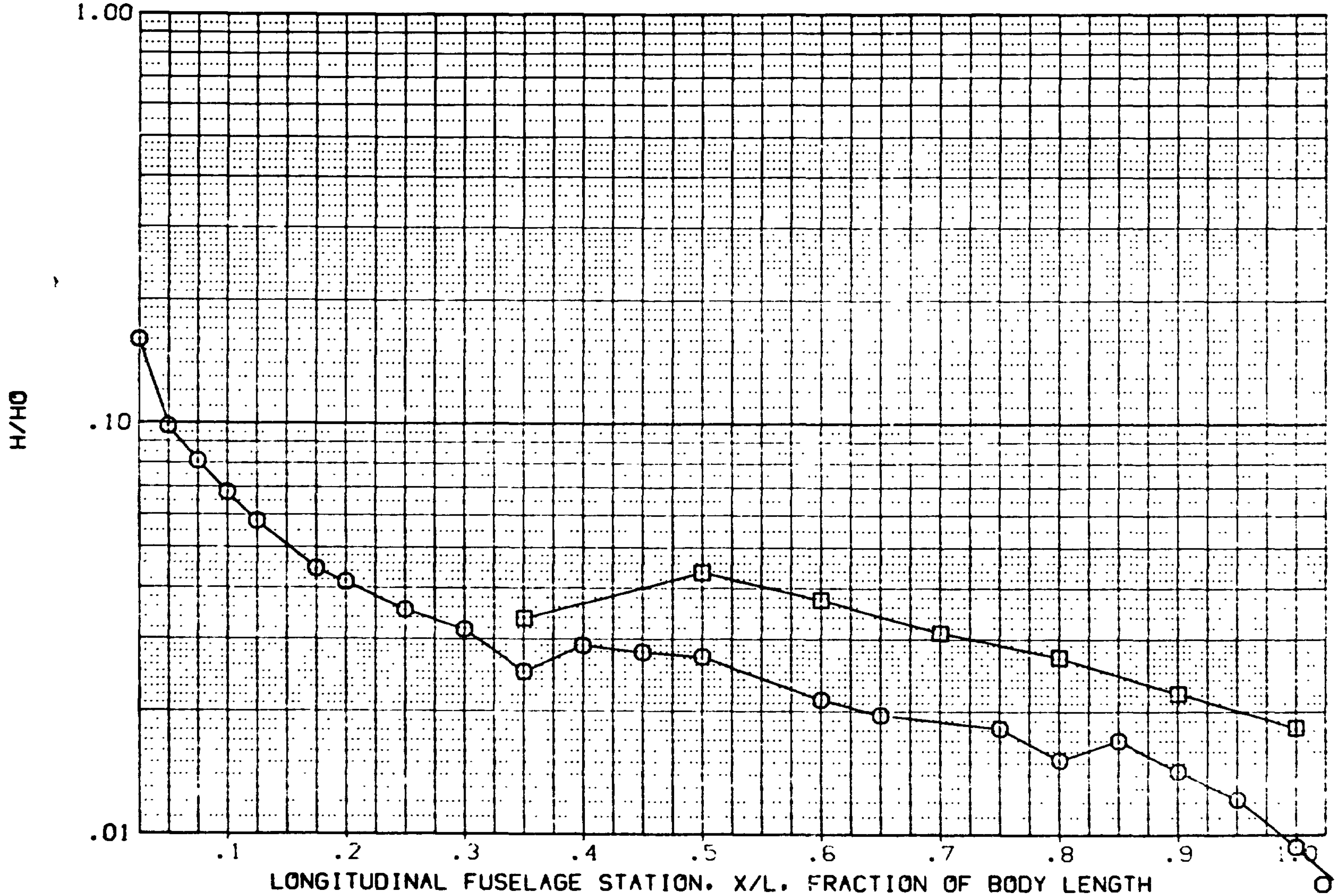


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLB02) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

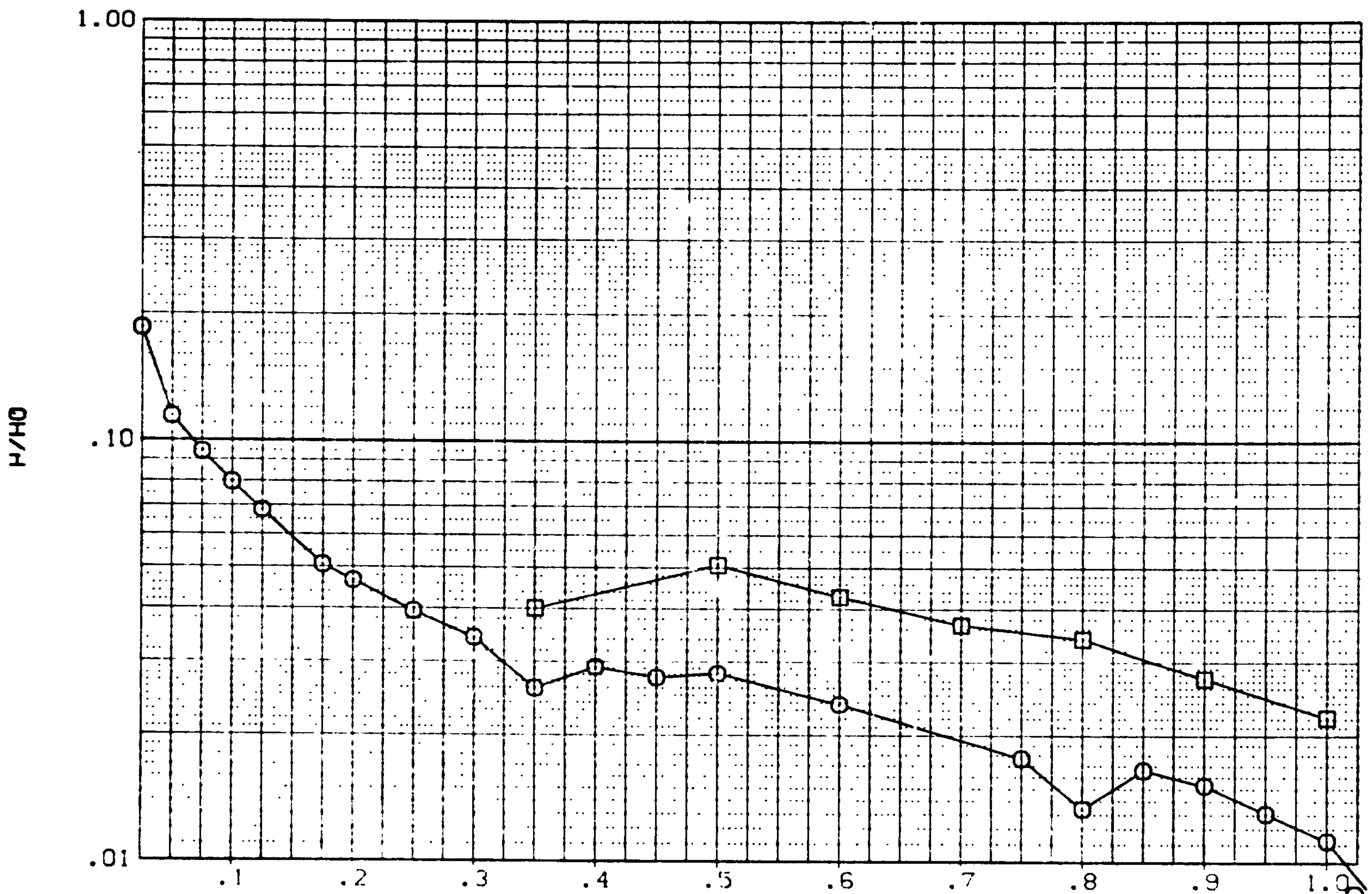


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLB02) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

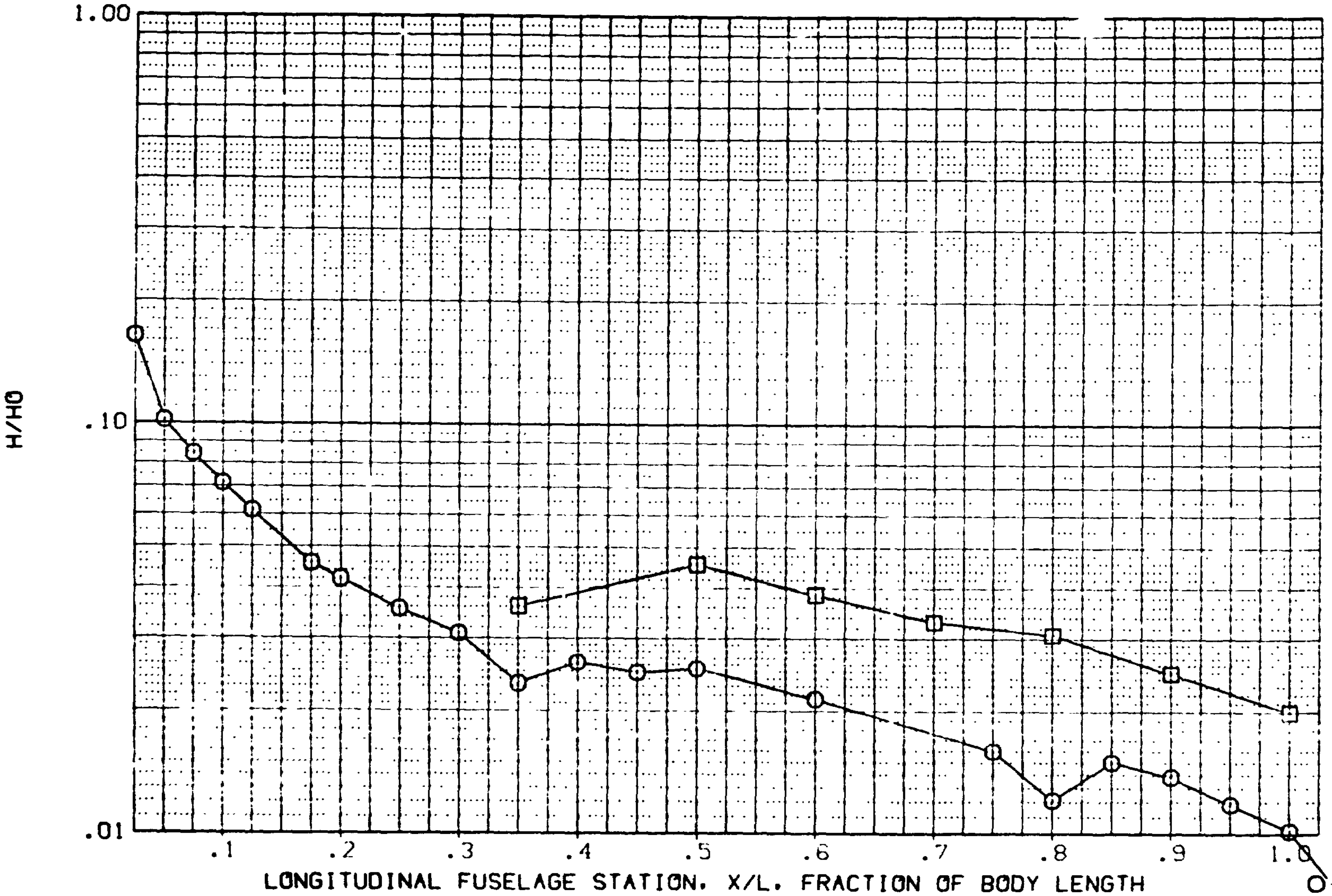


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

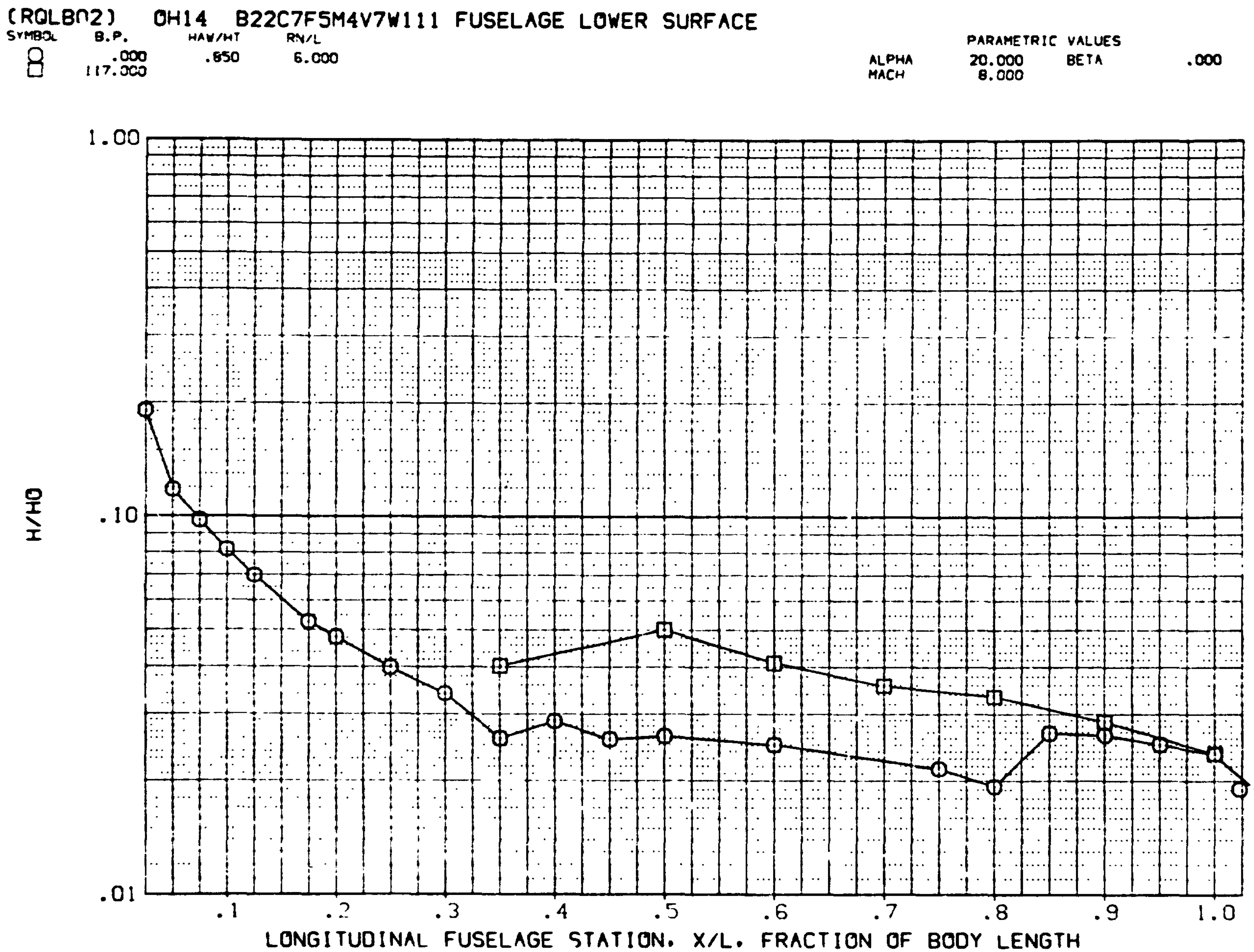


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLB02) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	6.000
□	117.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

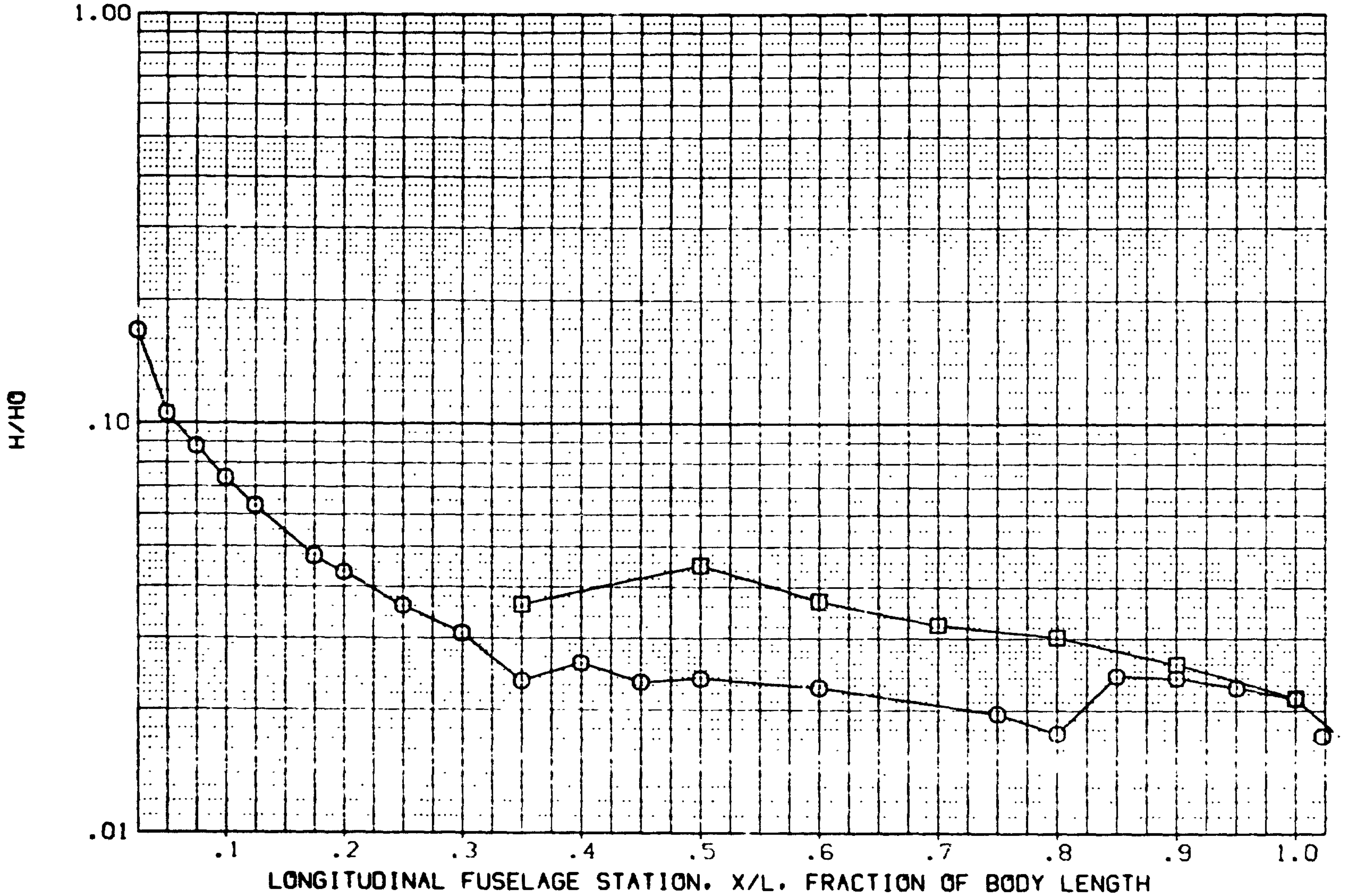


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

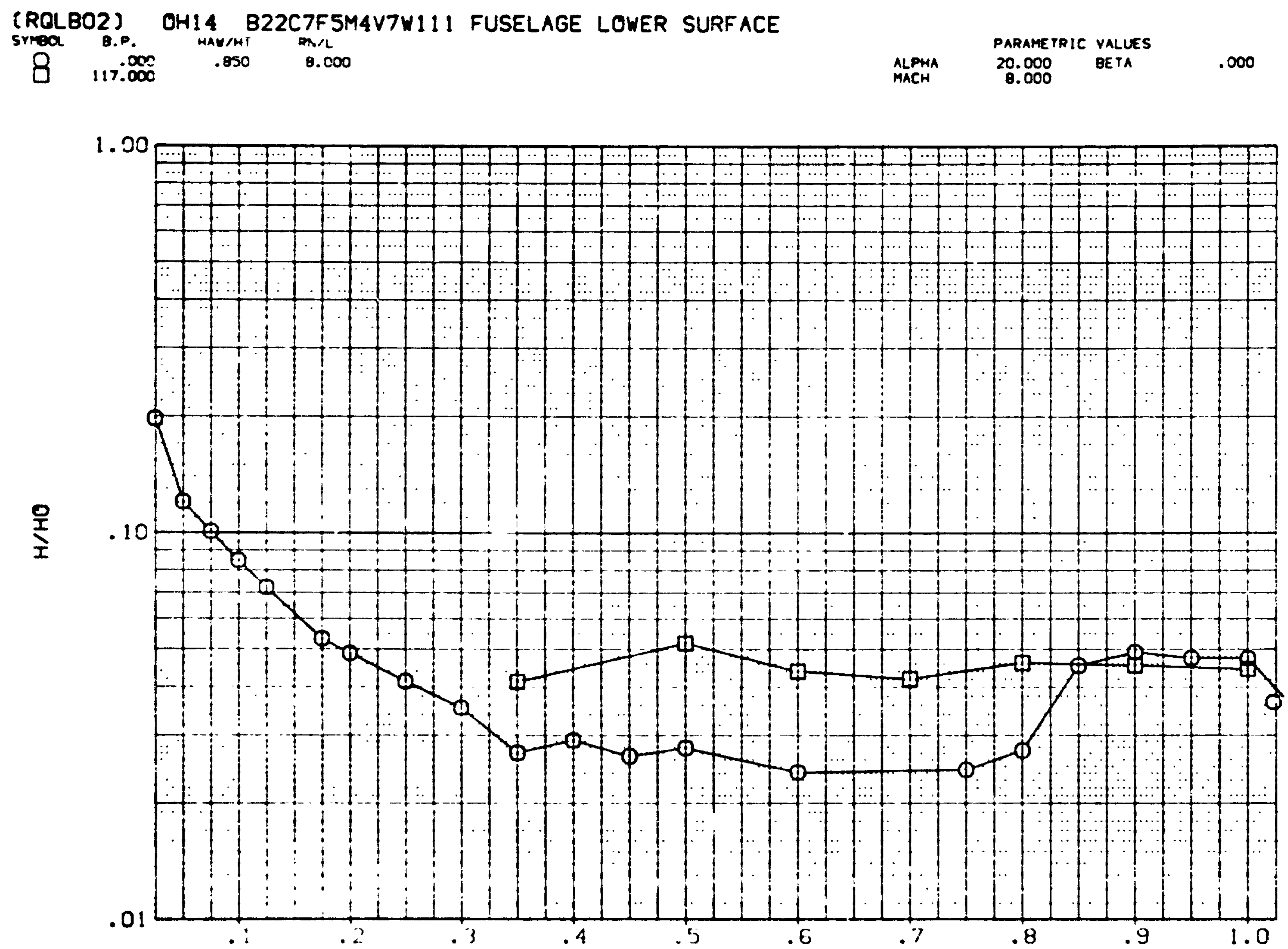


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLB02) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	8.000
□	117.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

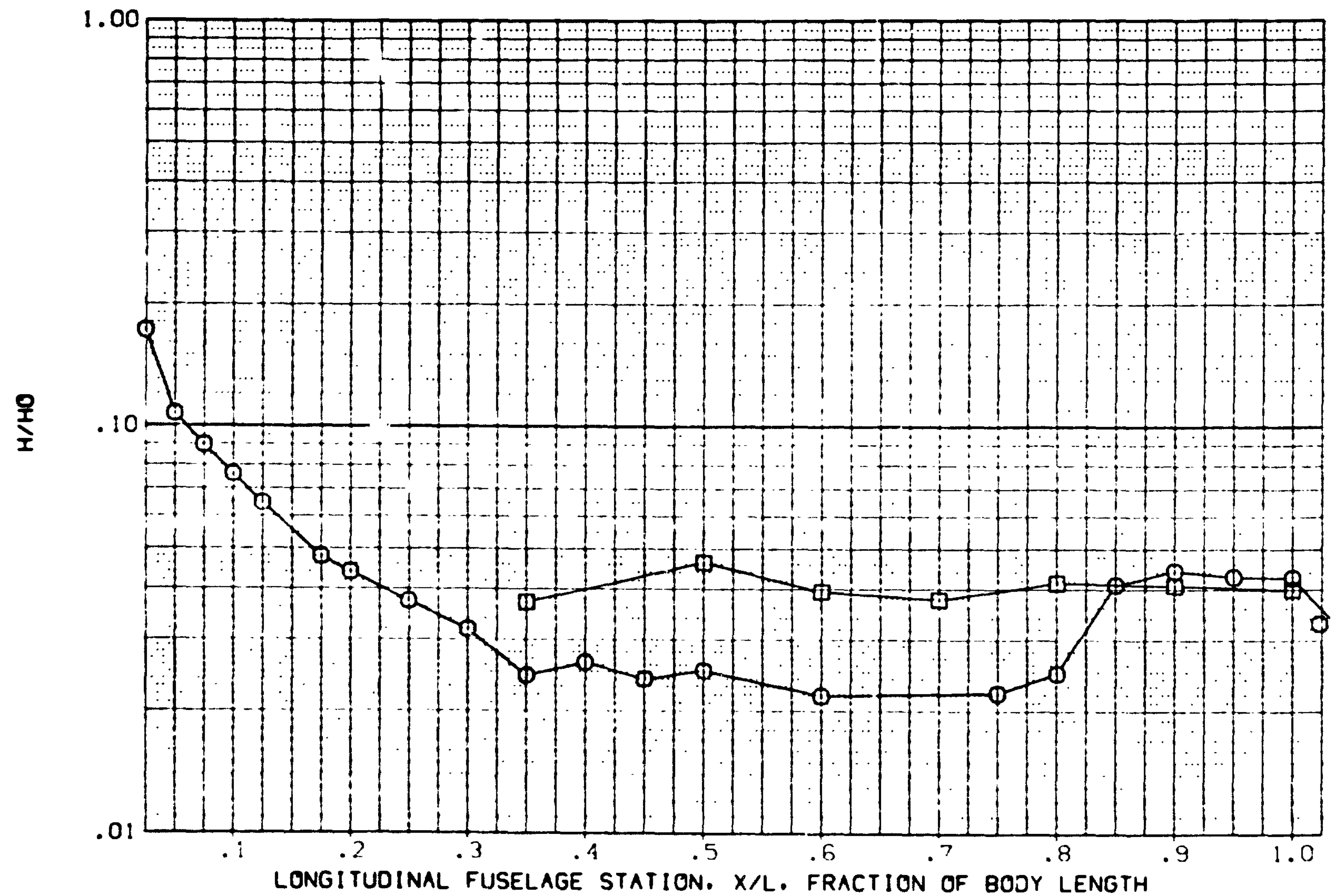


FIG 4 FUSELAGE LOWER SURFACE DISTRIBUTION AT 2C DEG. ANGLE OF ATTACK

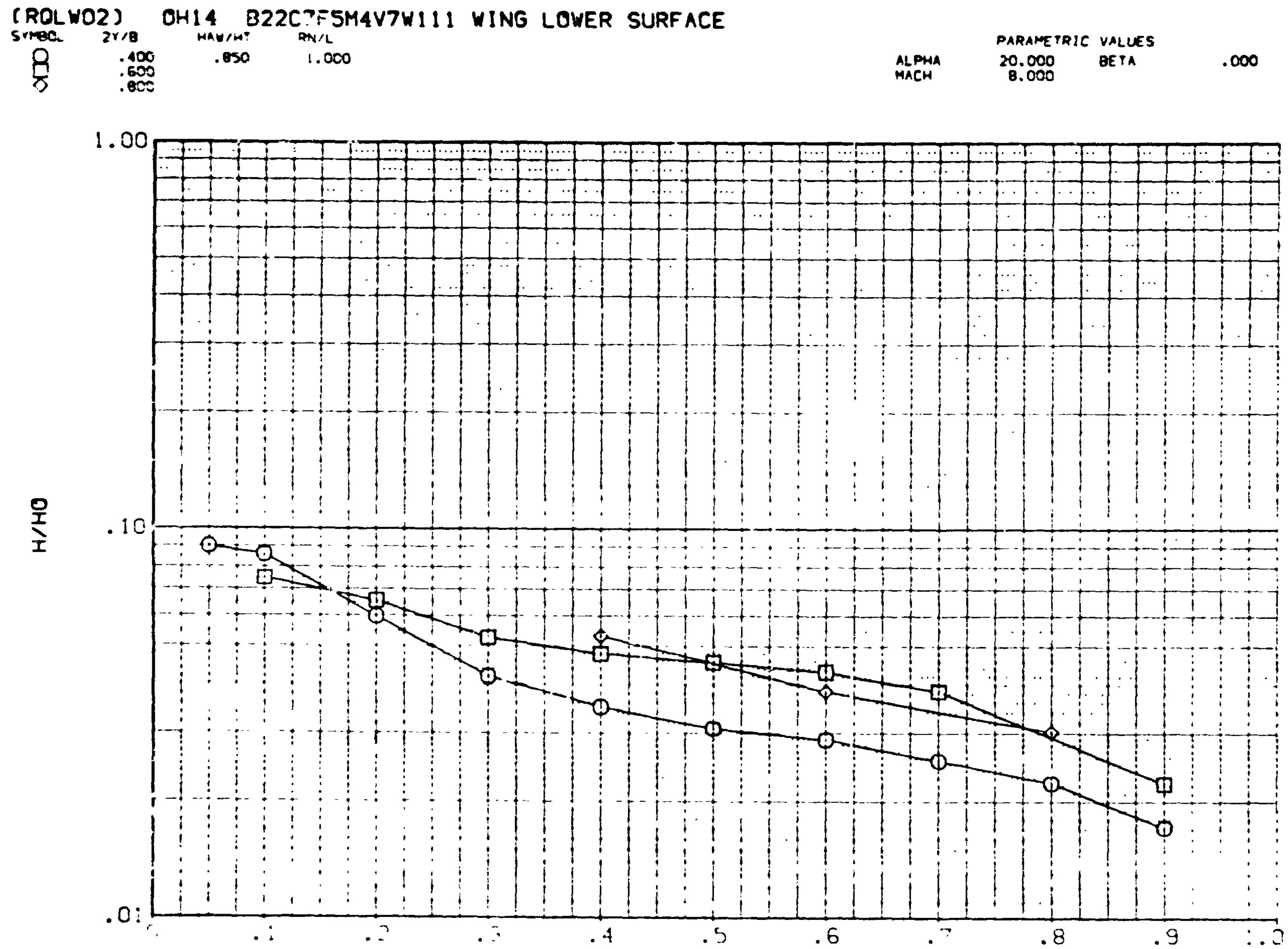


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	1.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

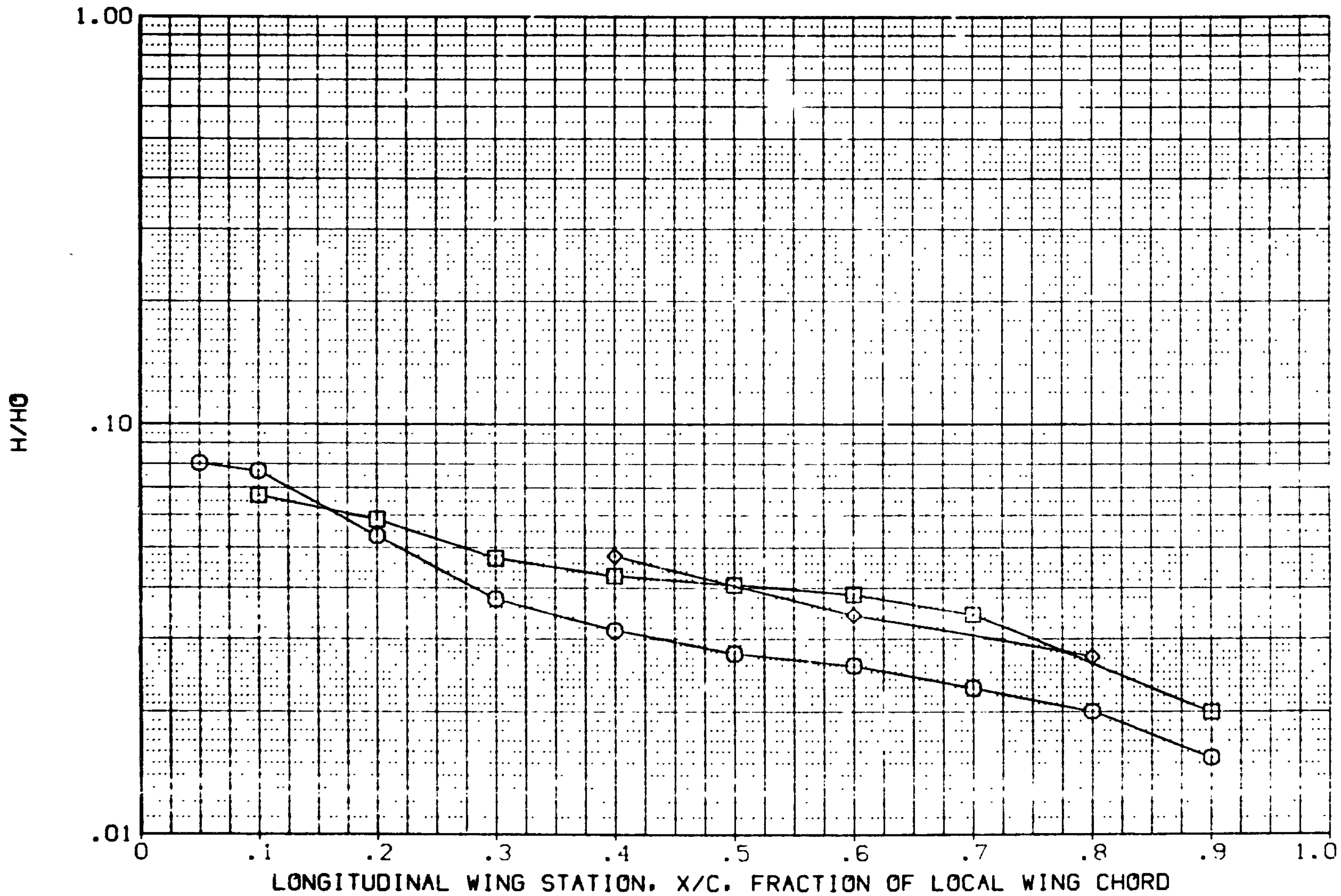


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER S RFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	3.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

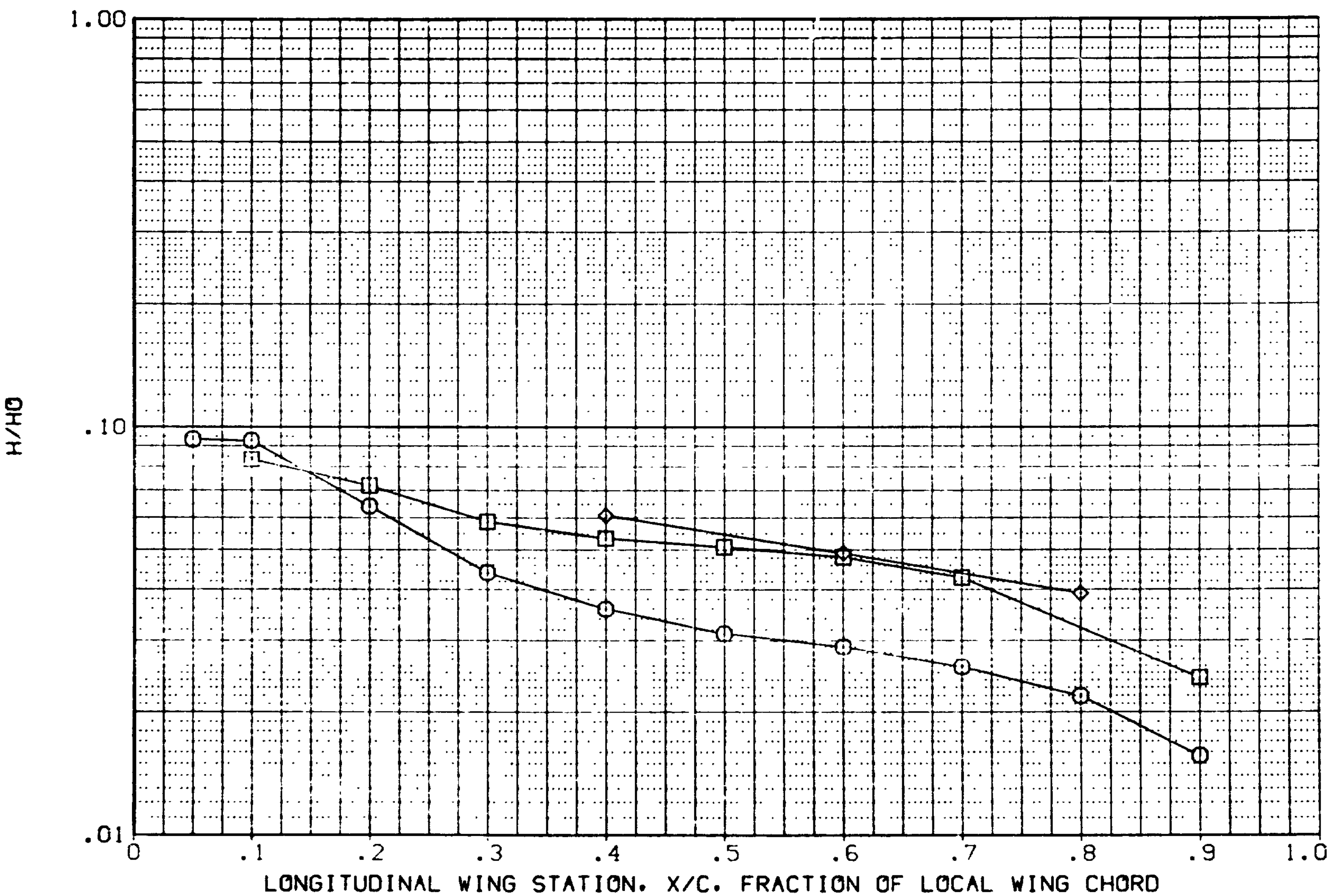


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

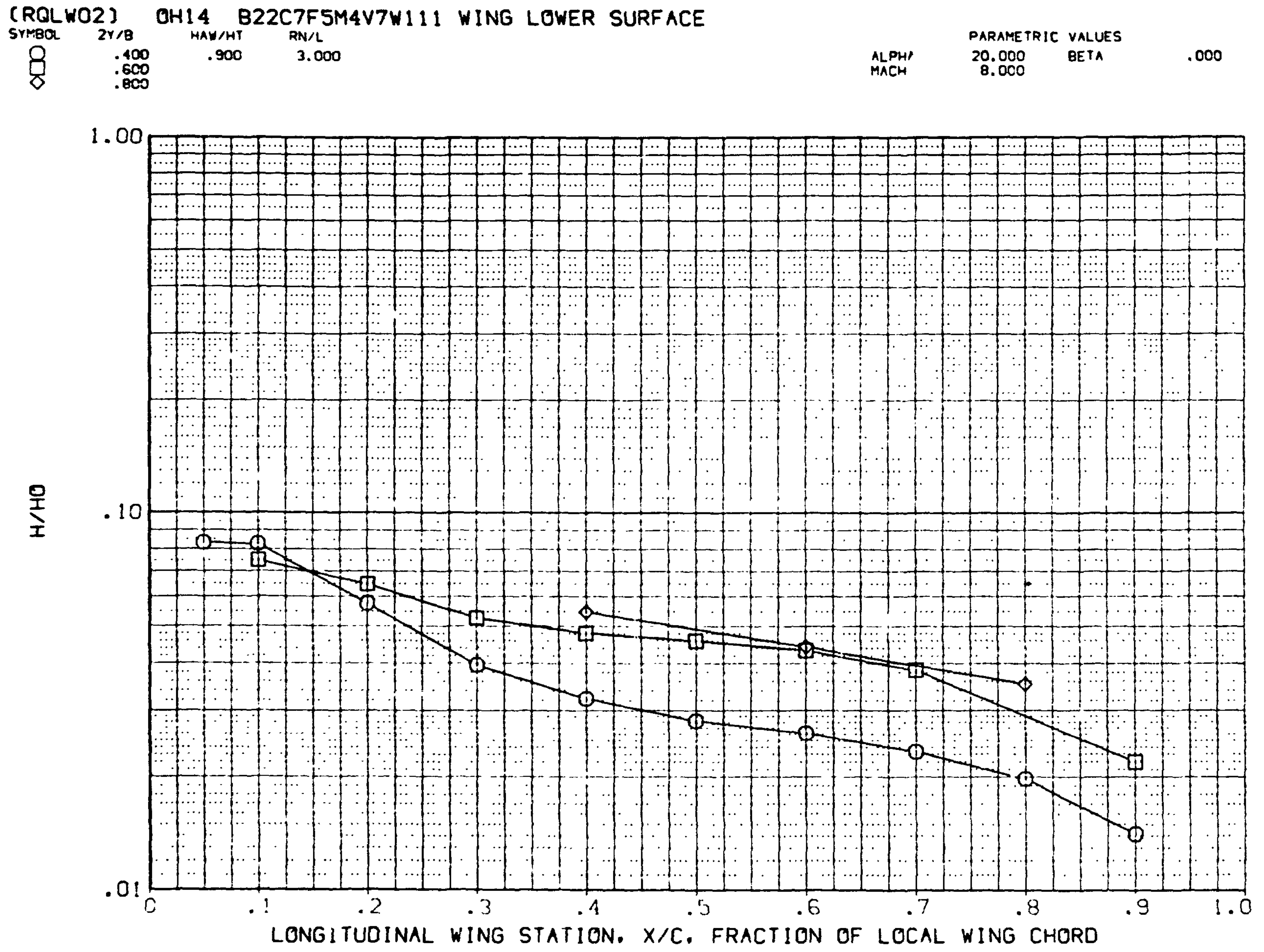


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	6.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

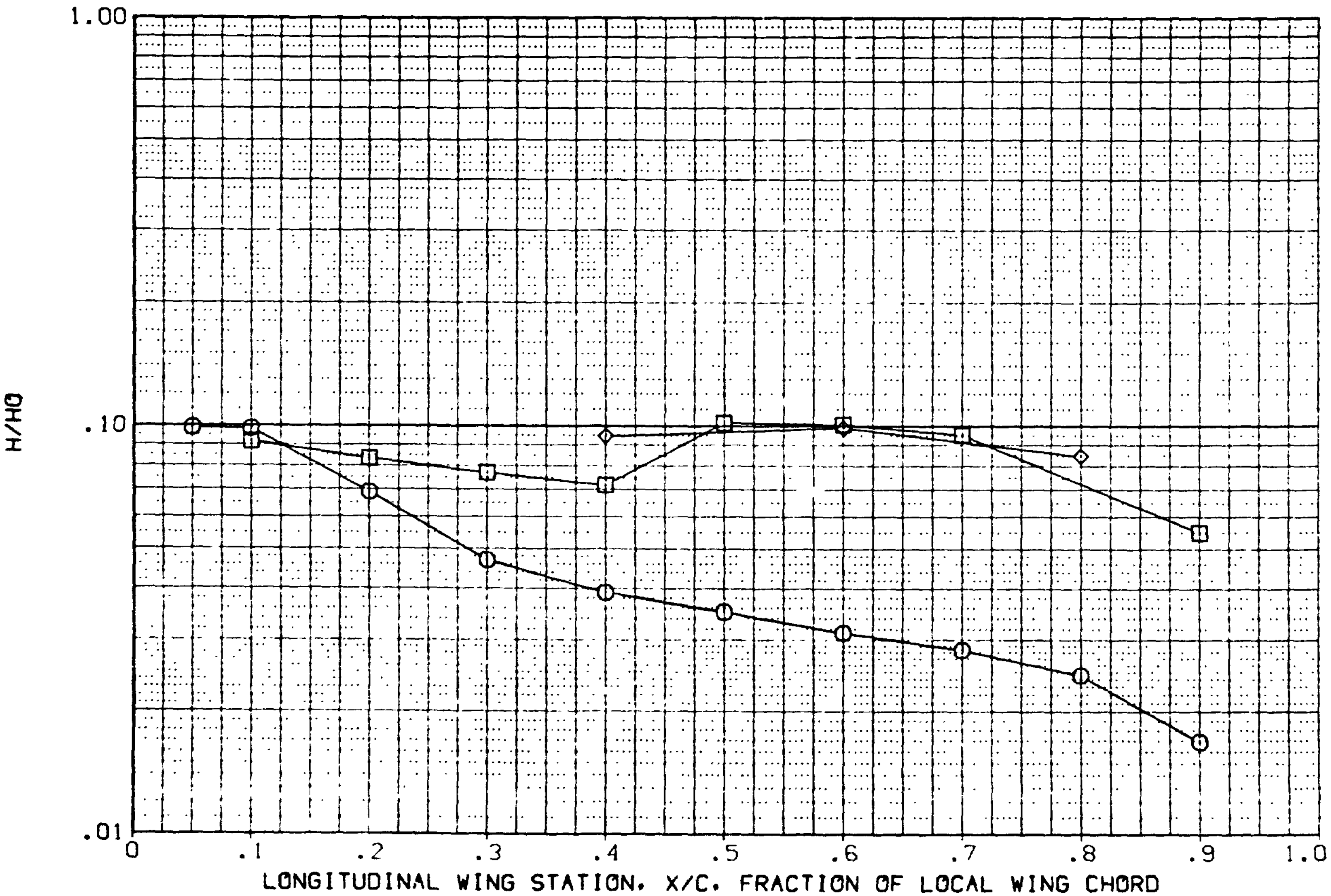


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

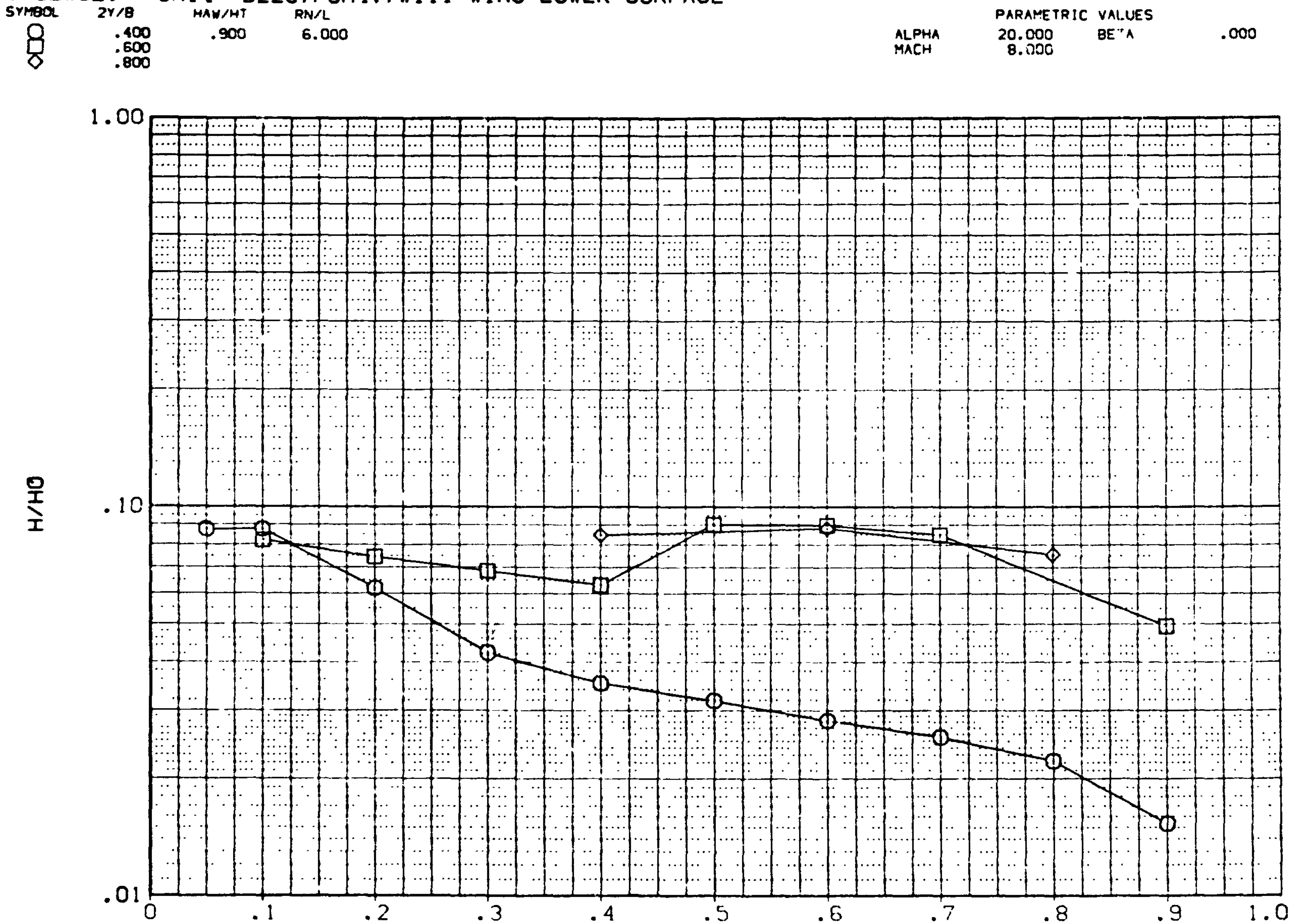


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

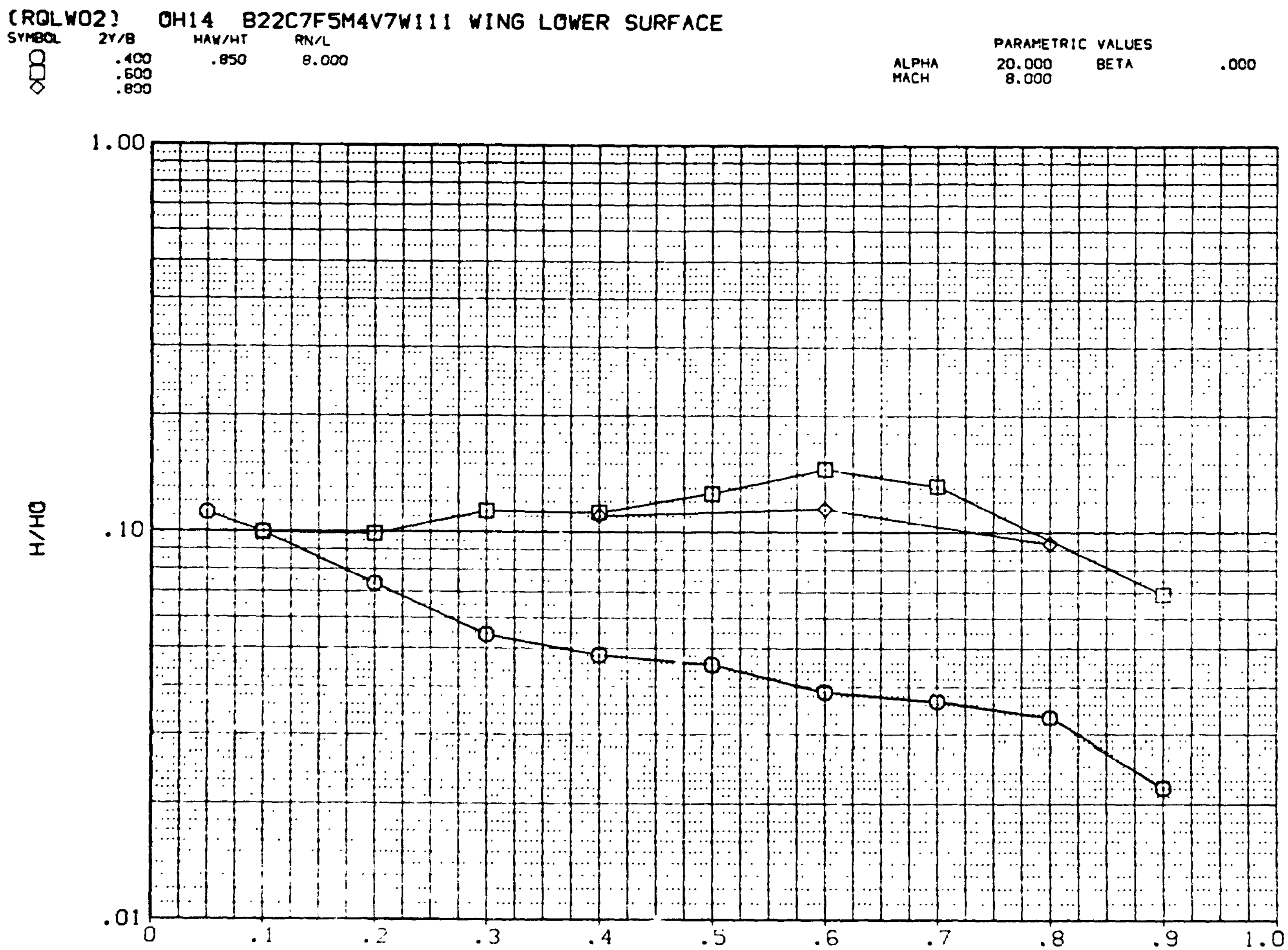


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLW02) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	8.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

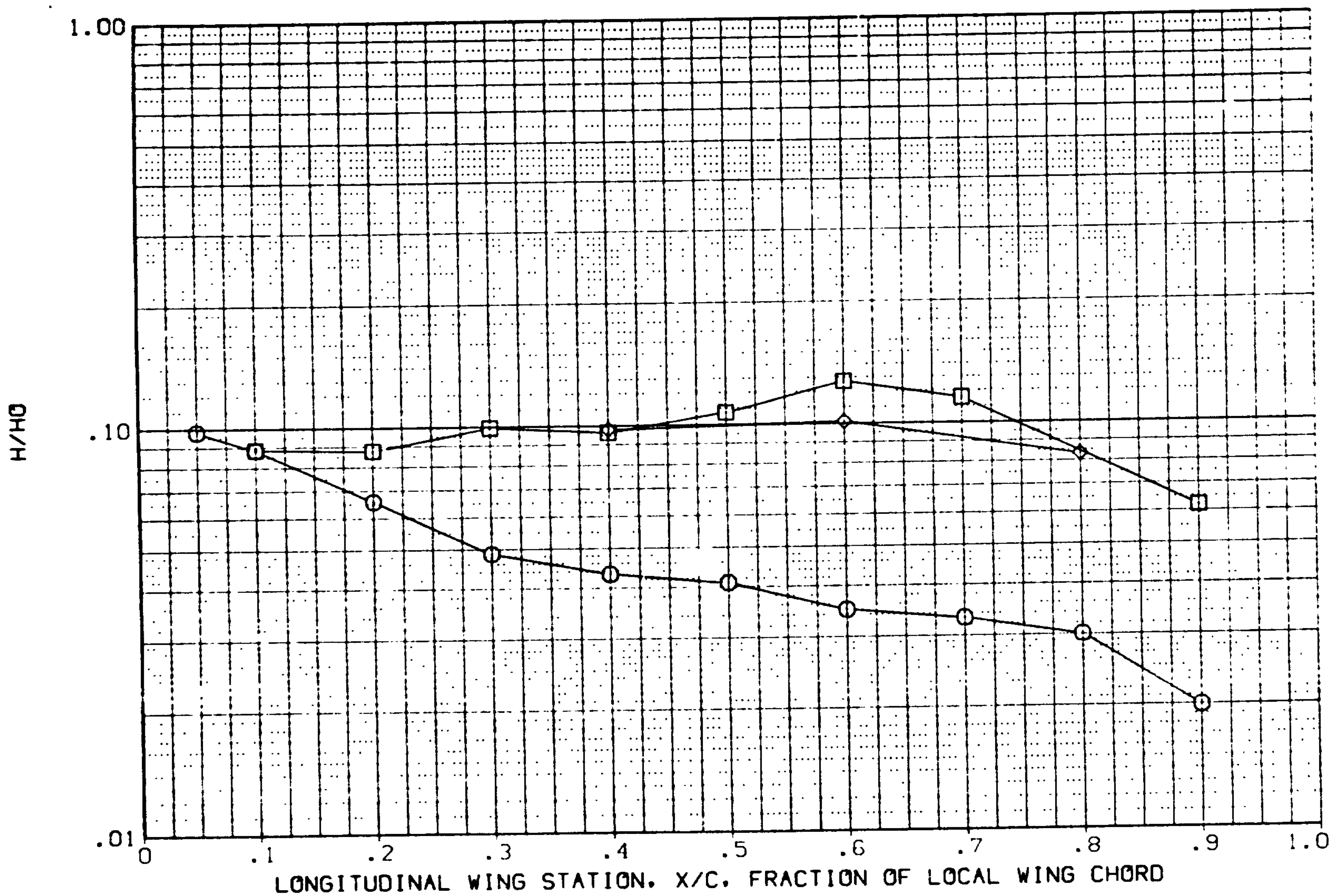


FIG 5 WING LOWER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

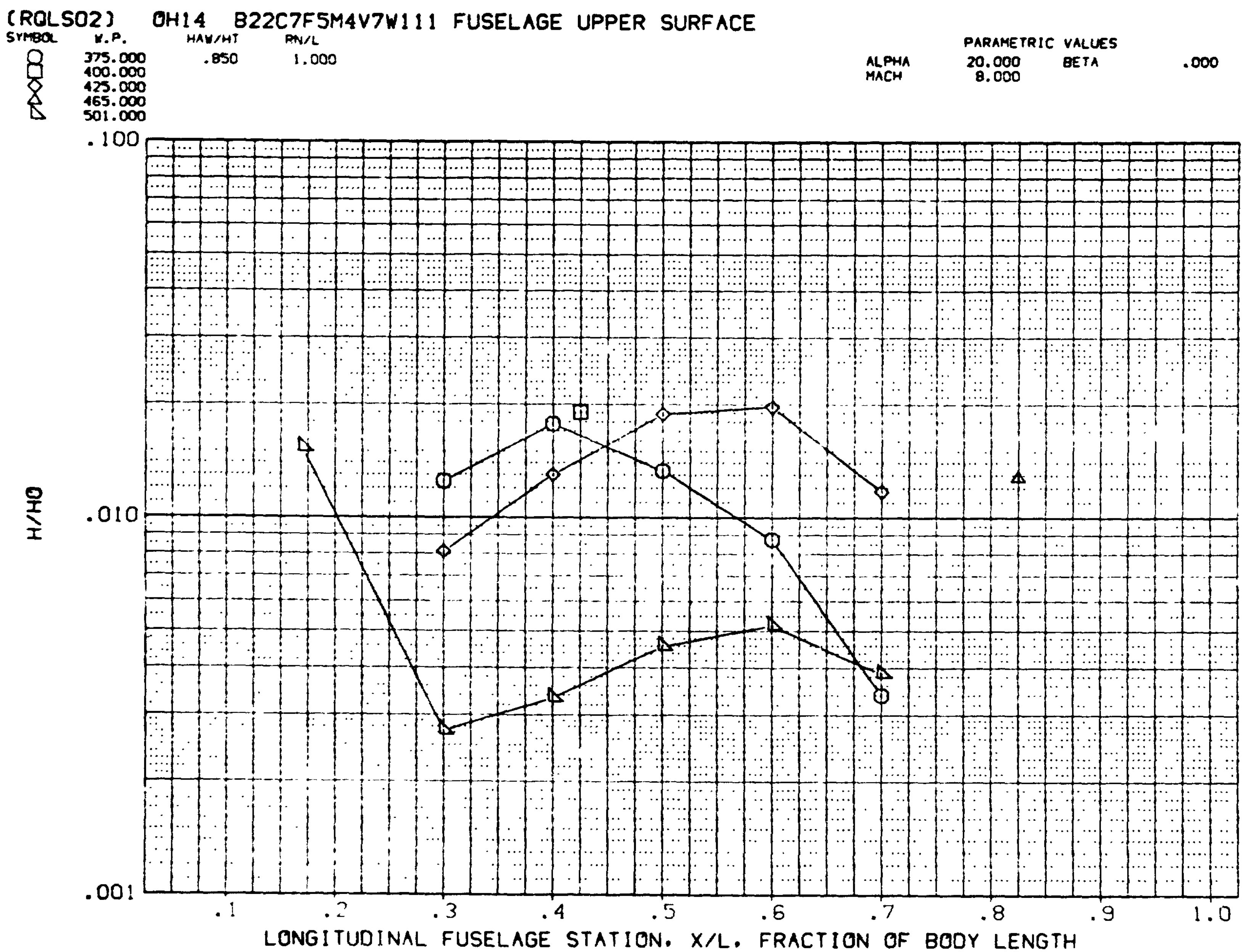


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLS02) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	RN/L
○	375.000	.900	1.000
□	400.000		
◇	425.000		
△	465.000		
⊿	501.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

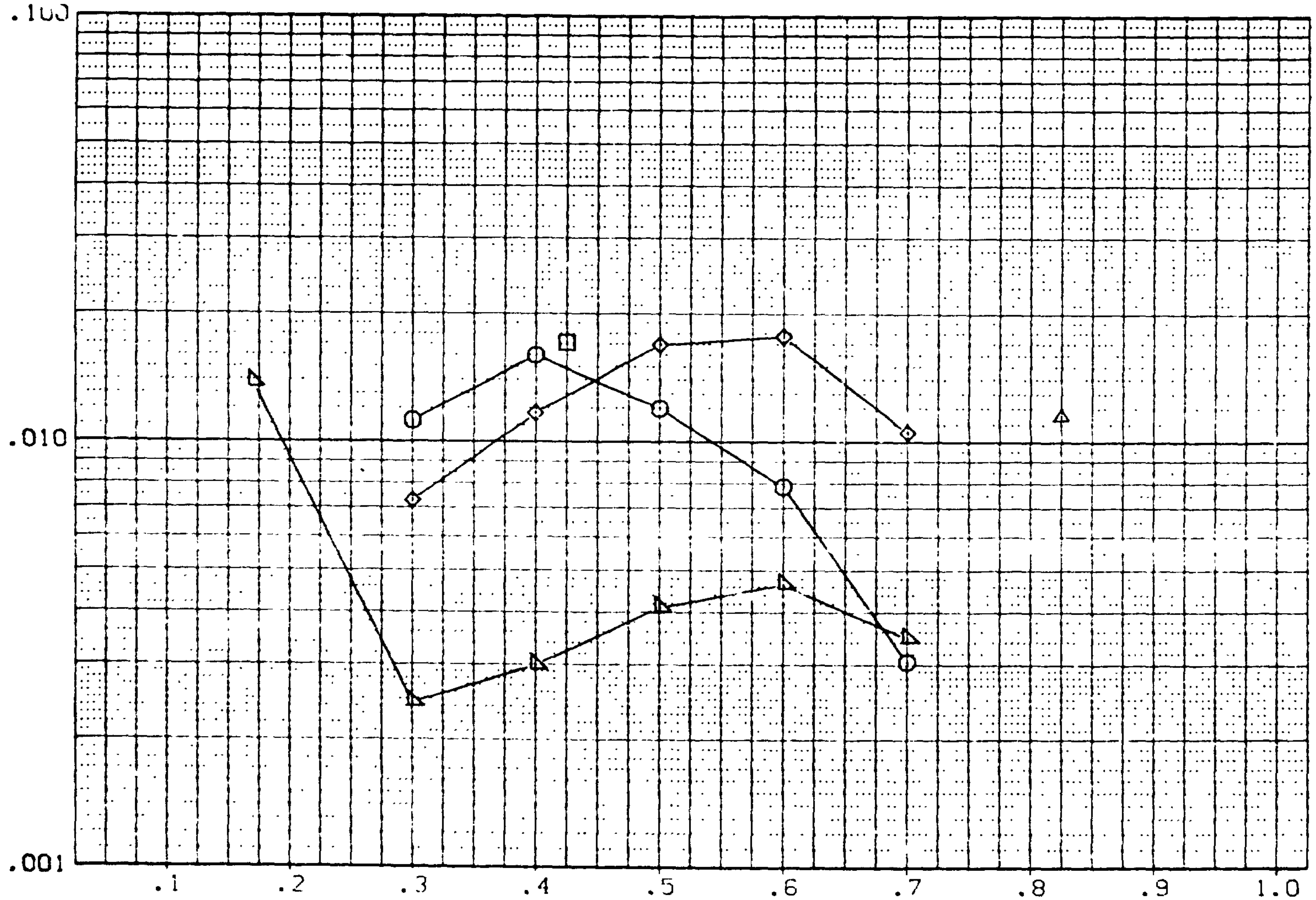
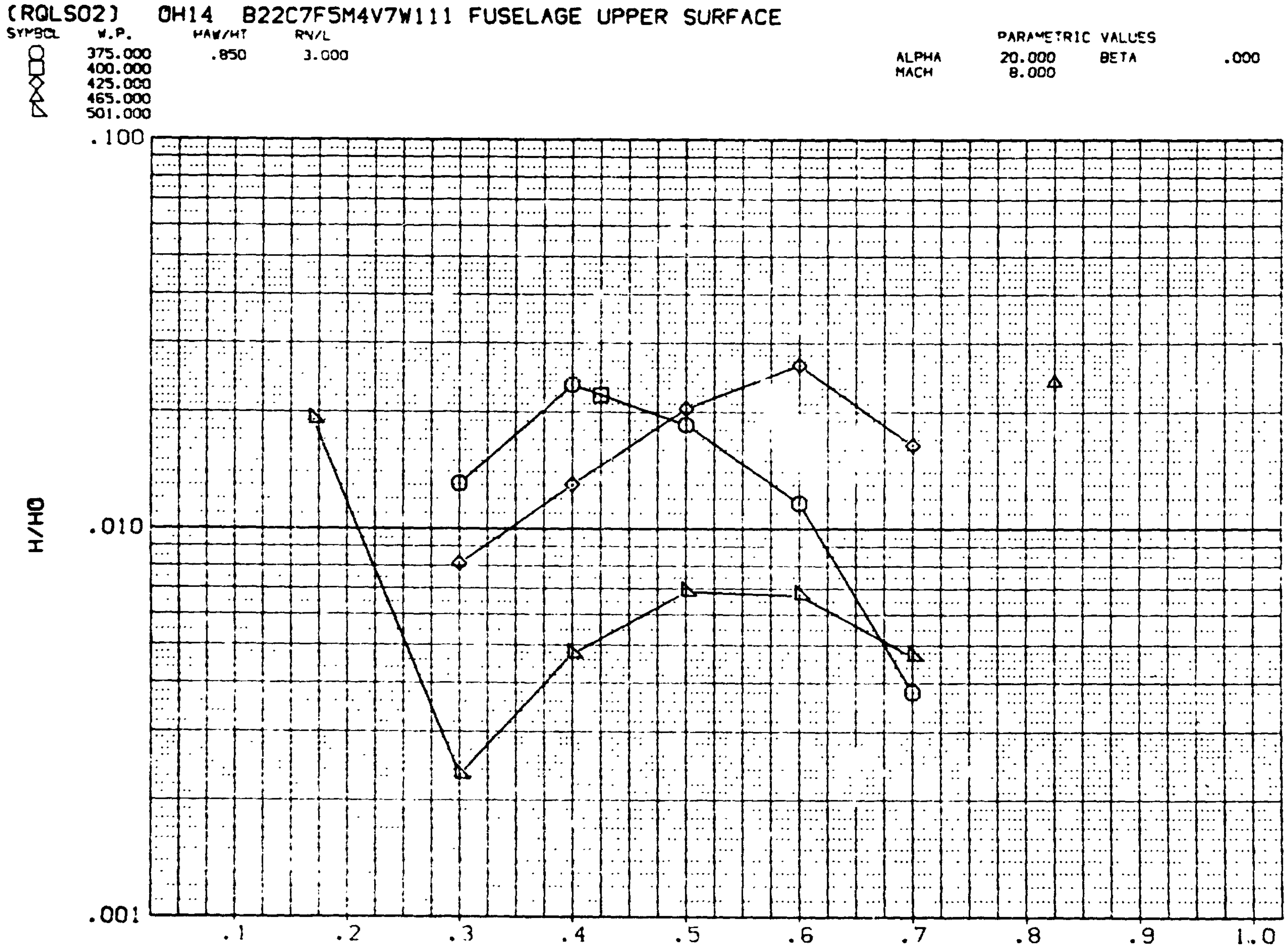


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLS02) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	RN/L
○	375.000	.900	3.000
□	400.000		
◇	425.000		
△	465.000		
⊿	501.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

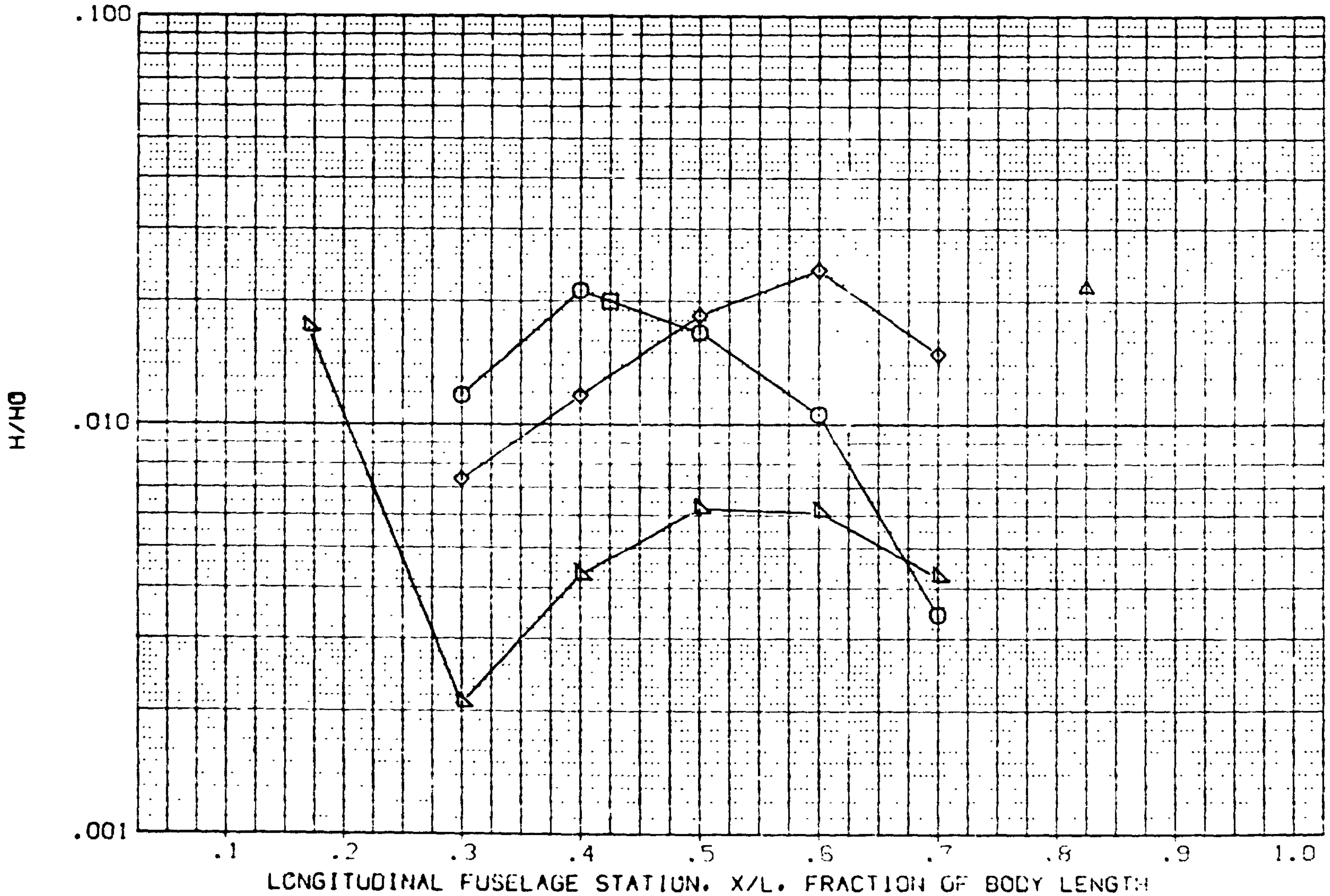


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLS02) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	MAW/HT	RN/L
○	375.000	.850	6.000
□	400.000		
◇	425.000		
◁	465.000		
△	501.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

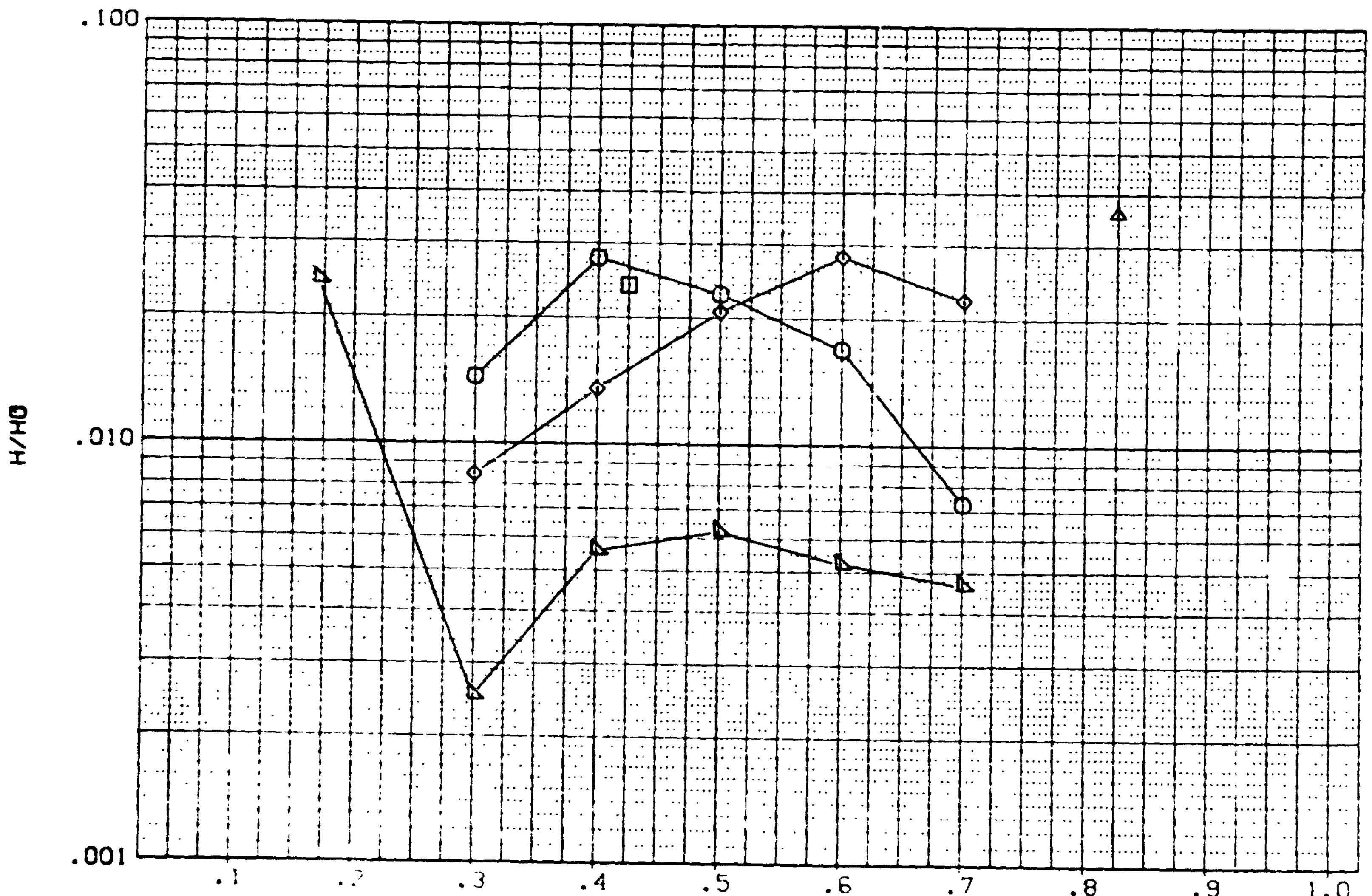


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

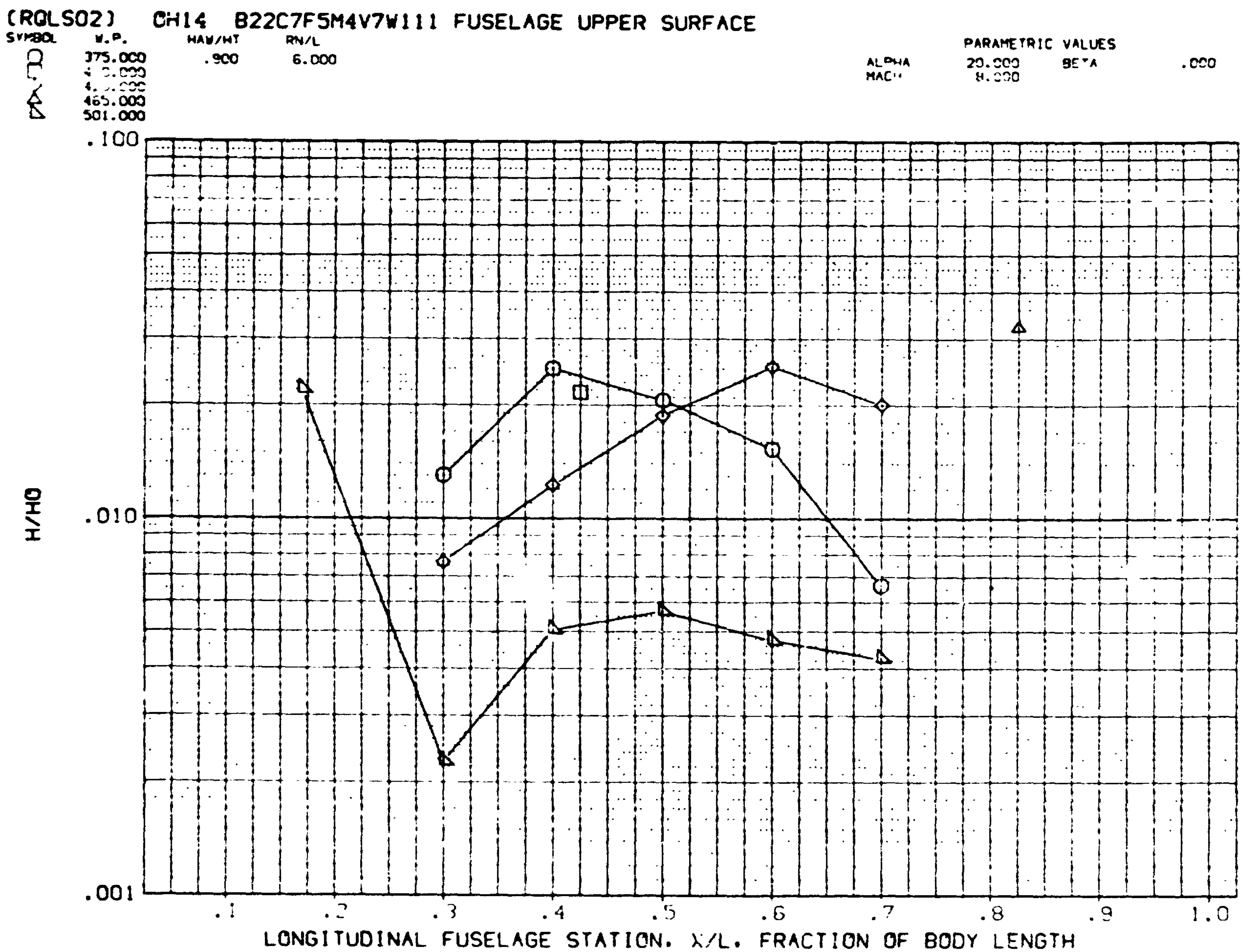


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

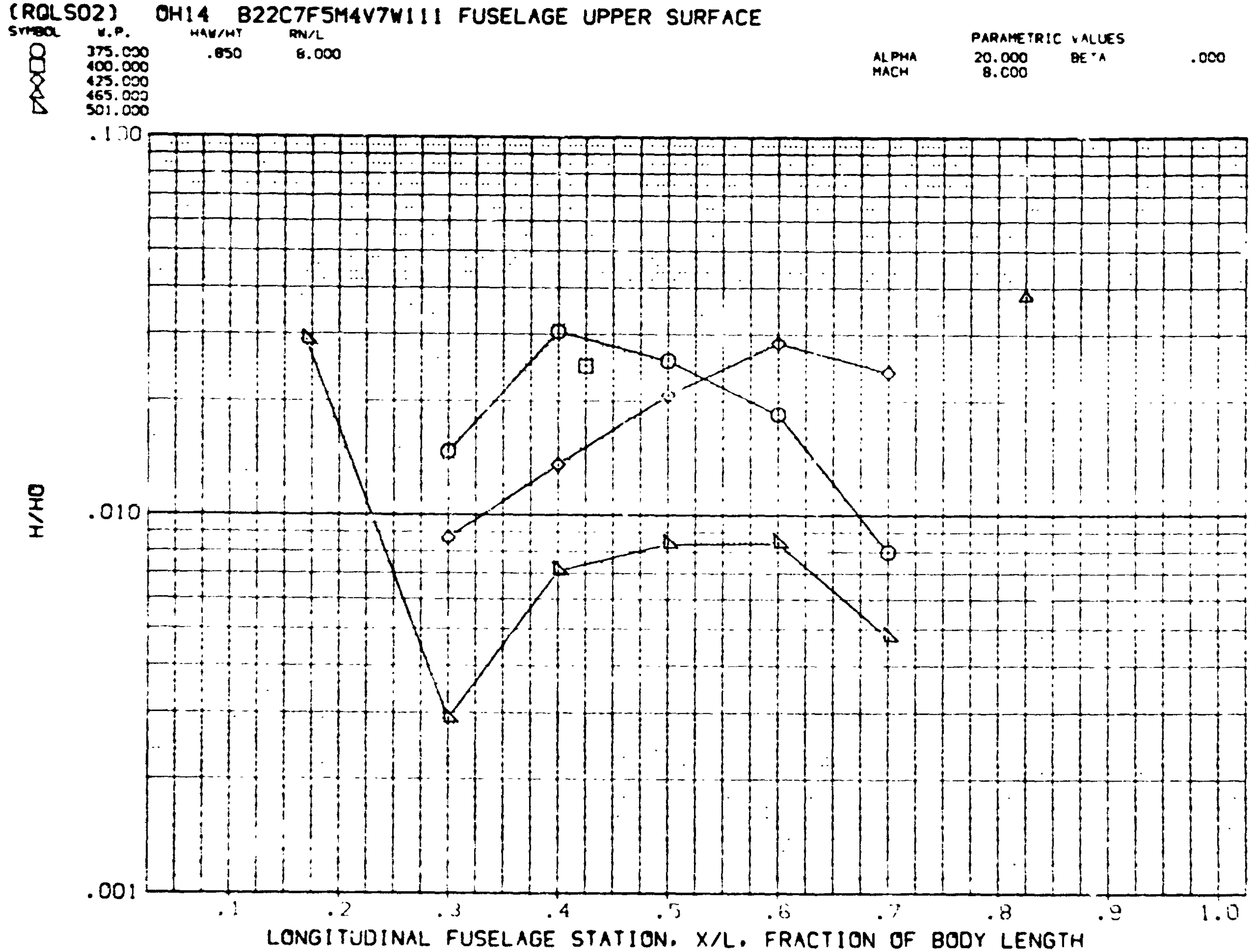


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

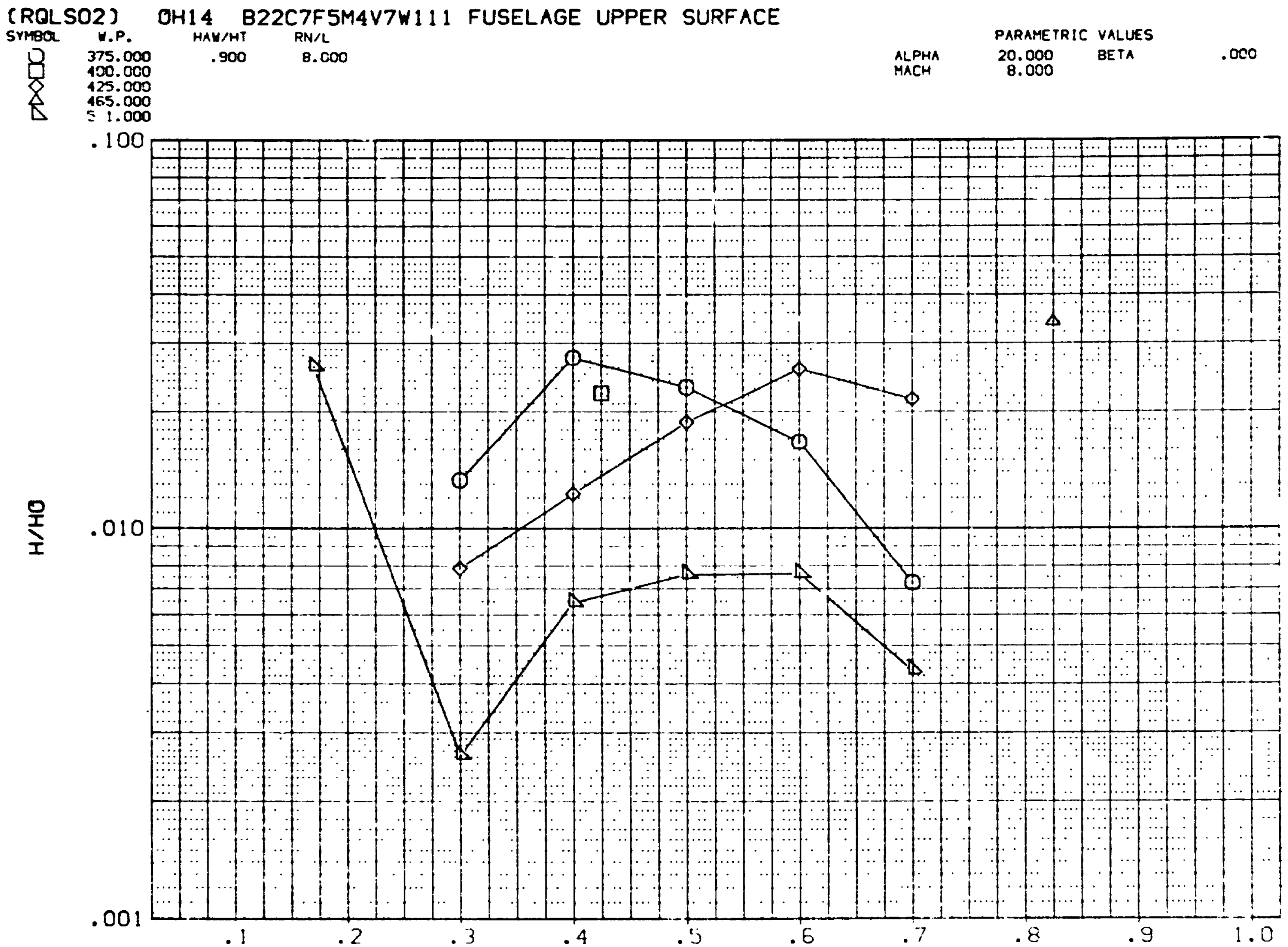


FIG 6 FUSELAGE UPPER SURFACE DISTRIBUTION AT 20 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

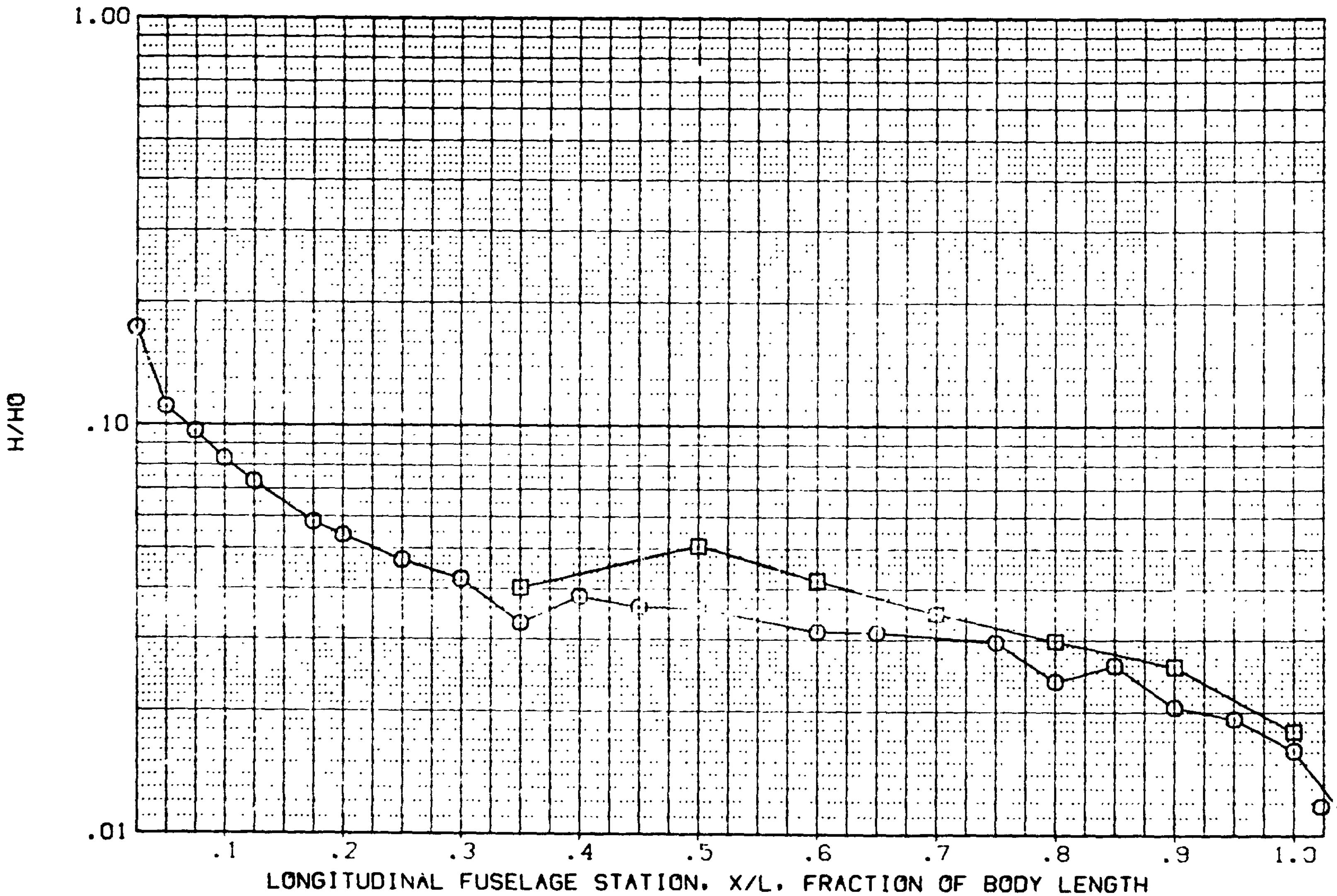


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

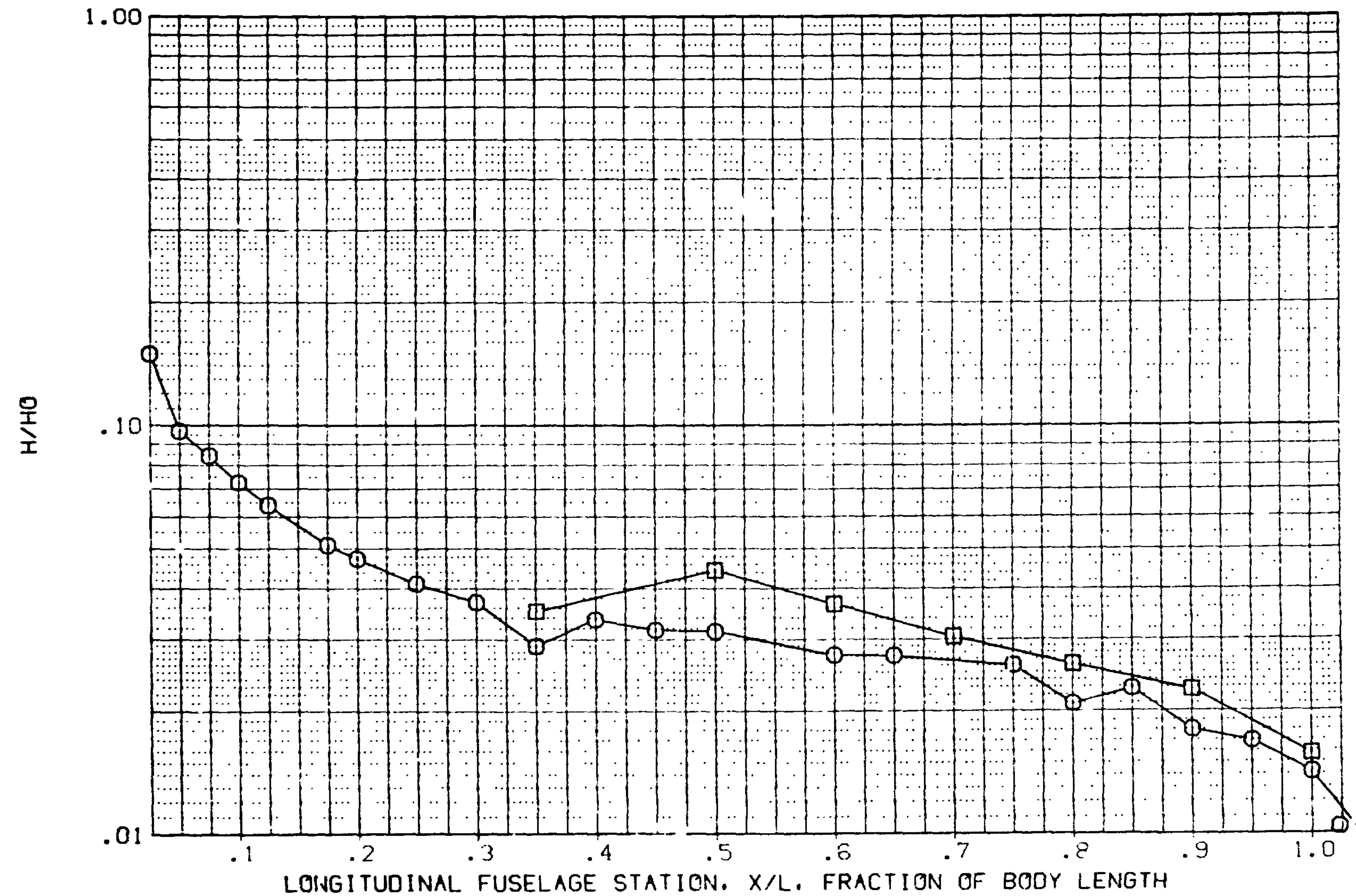


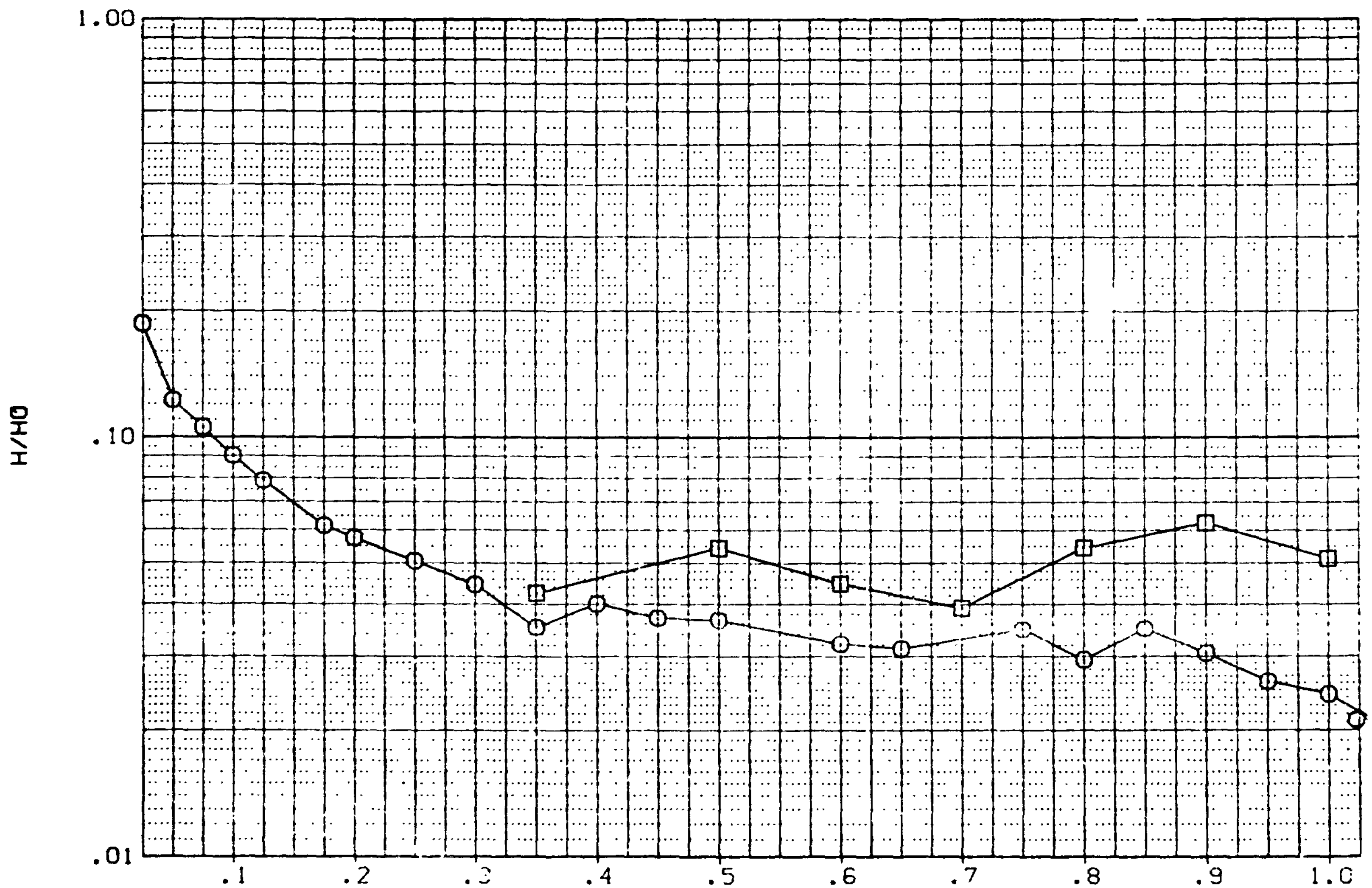
FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

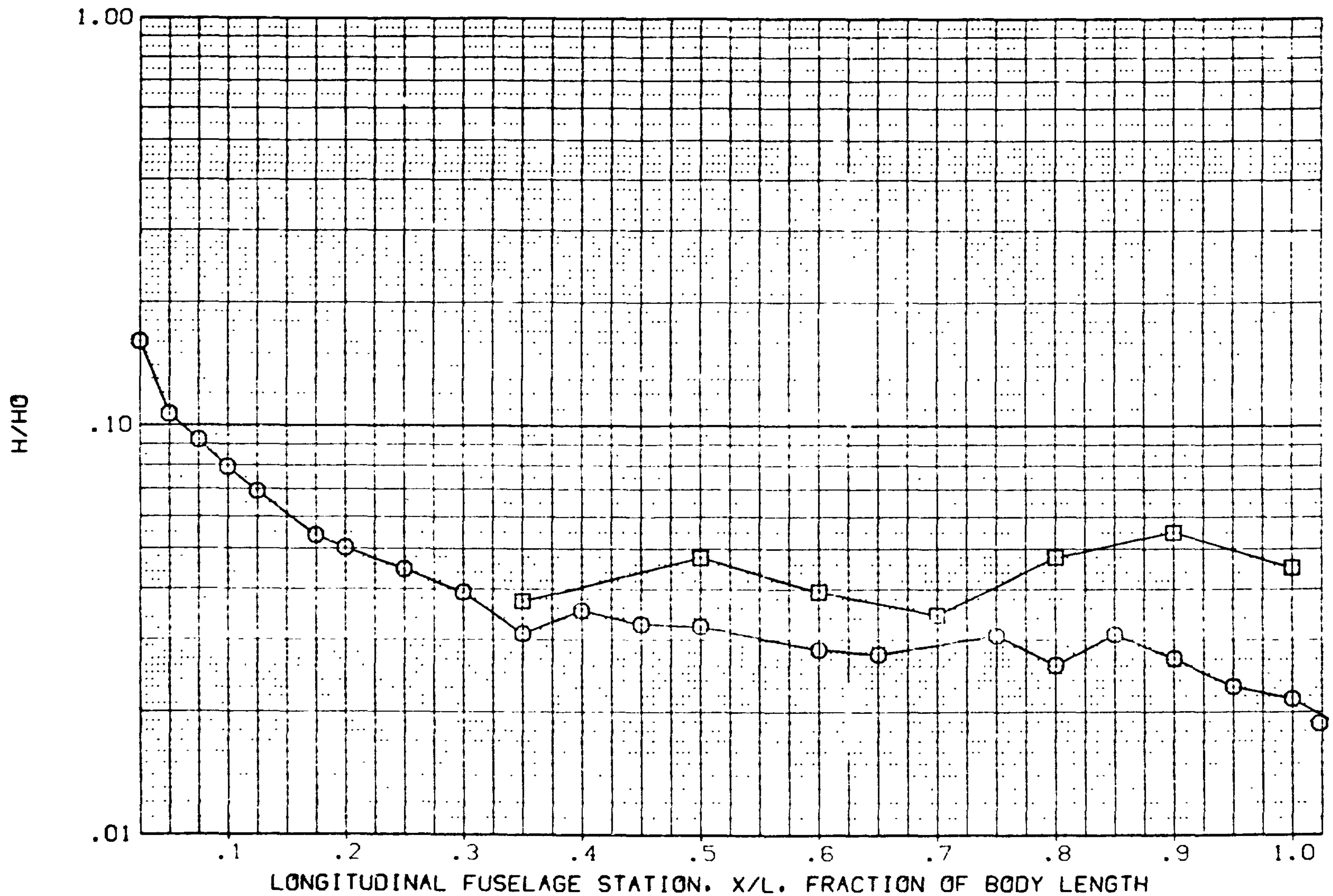


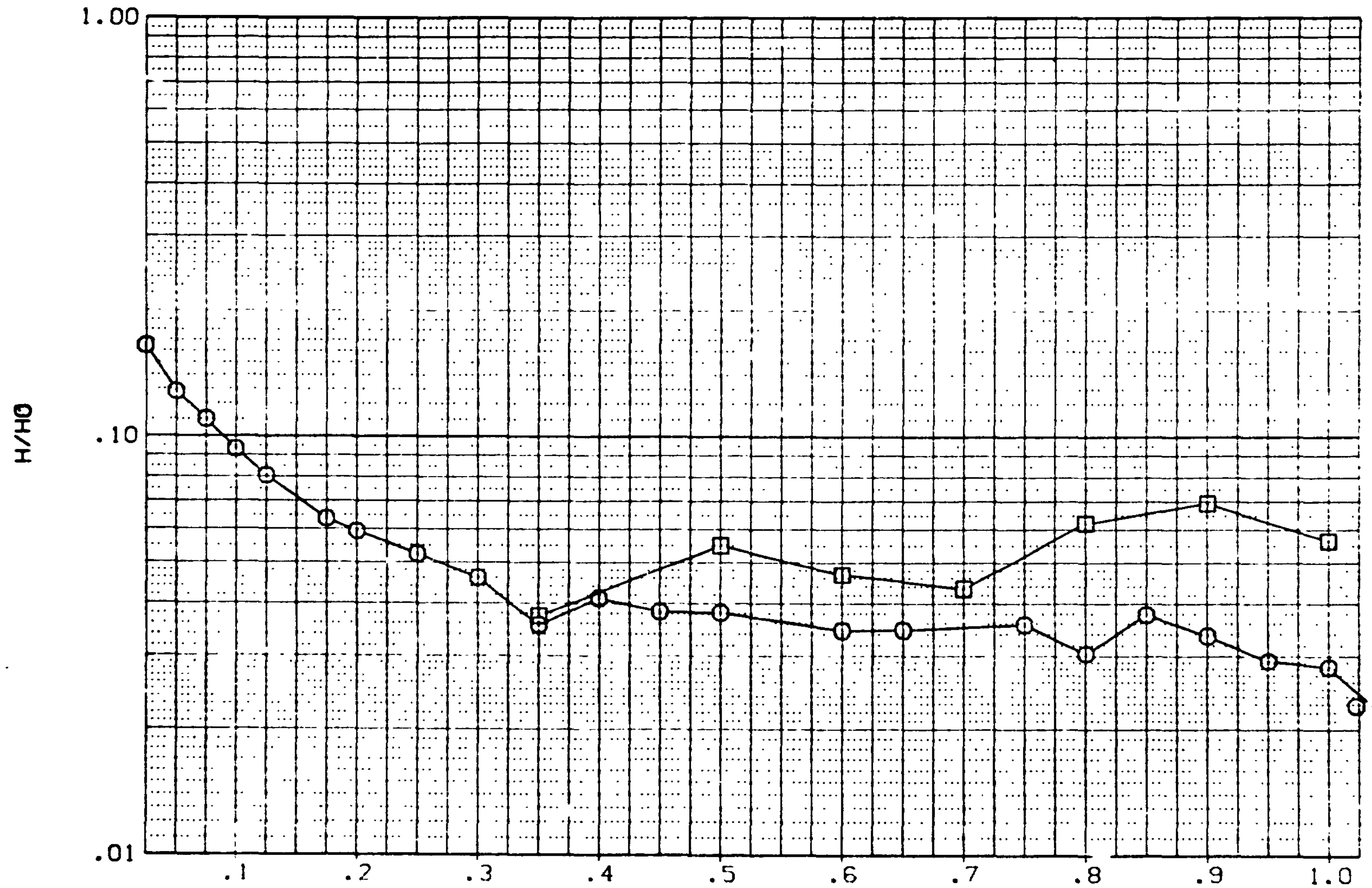
FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	4.000
□	117.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		



LC' ̄ITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBCL	B.P.	HAW/HT	RN/L
○	.000	.900	4.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

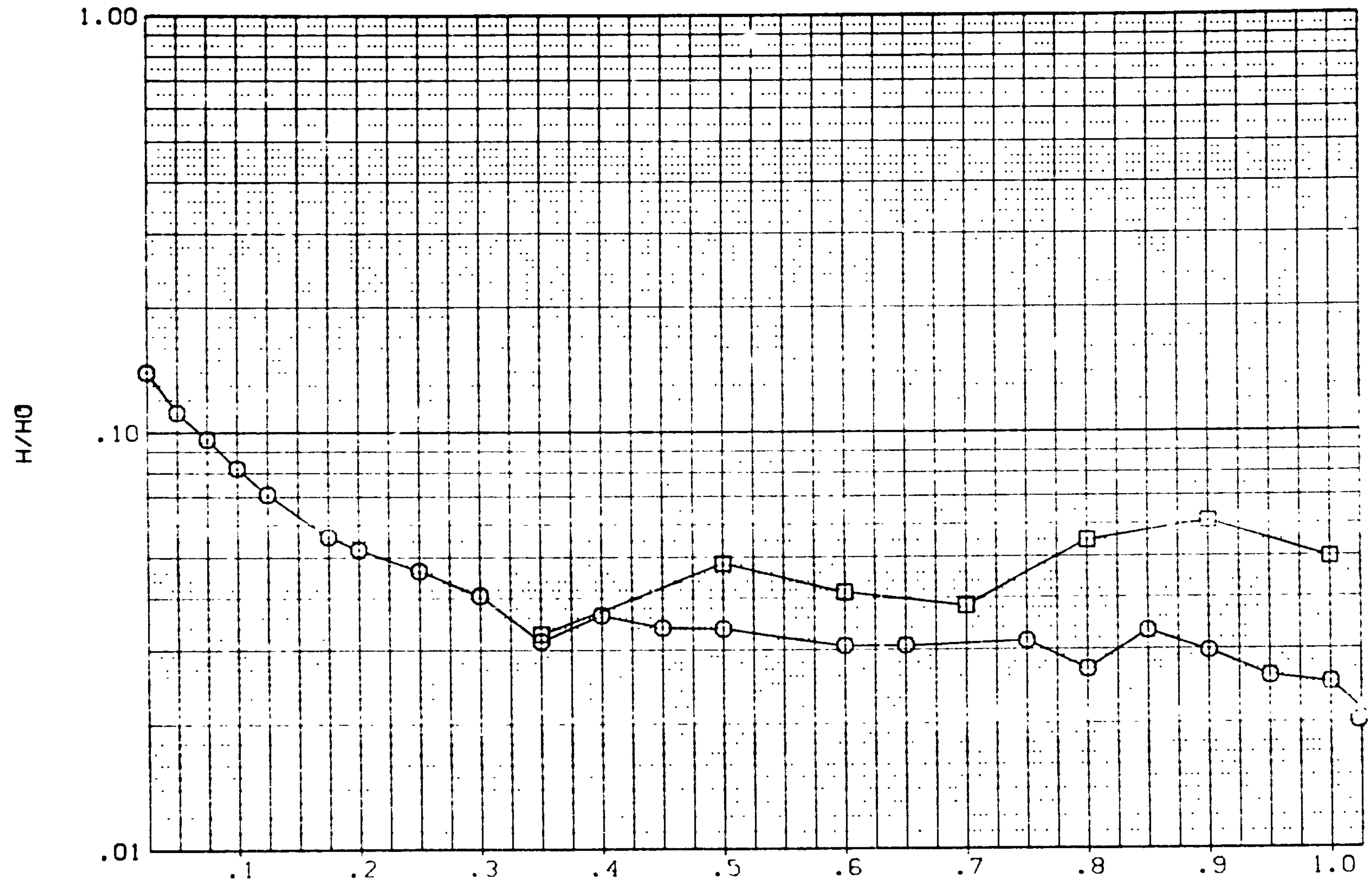


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	5.000
□	117.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

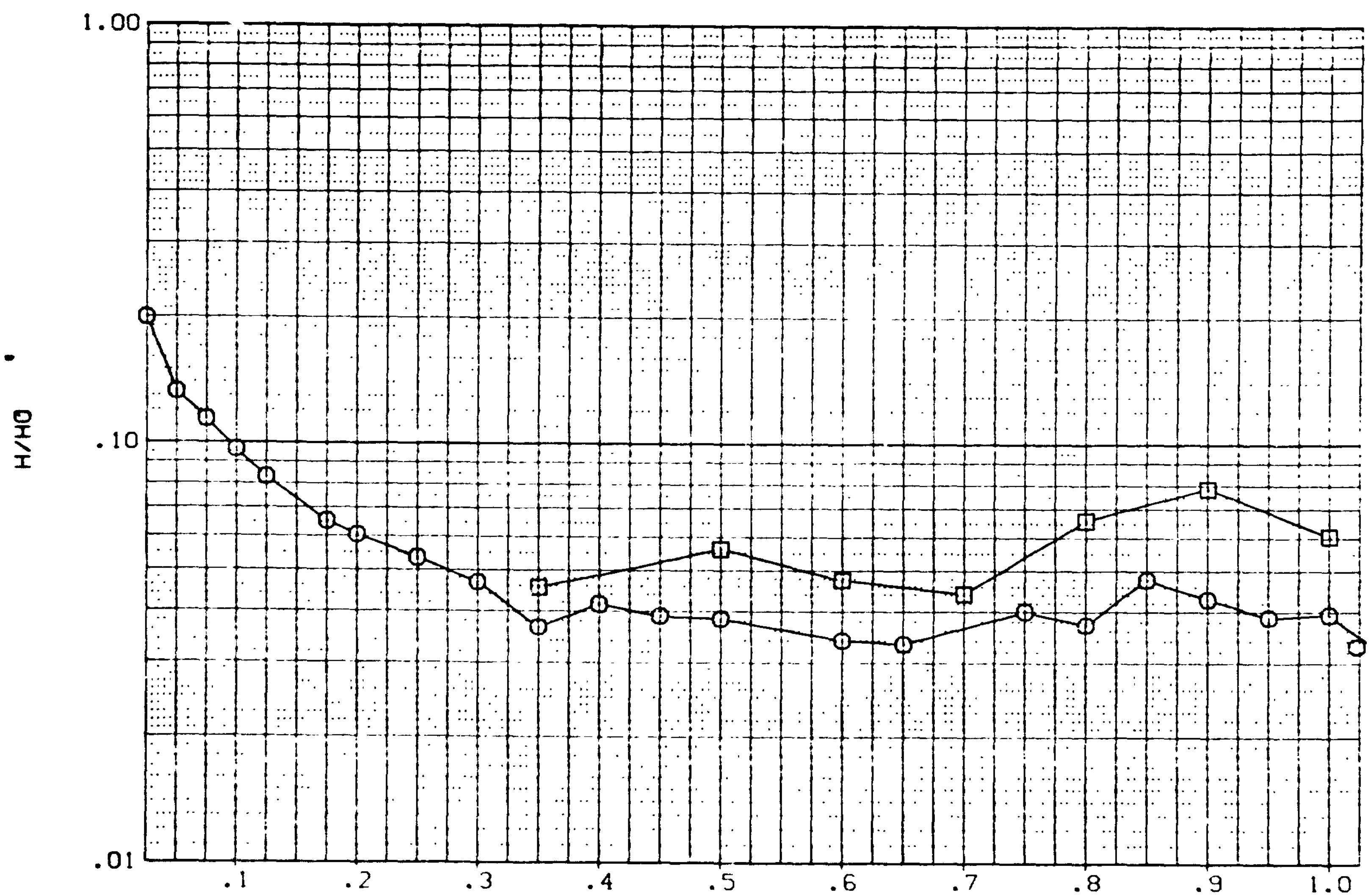


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	5.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

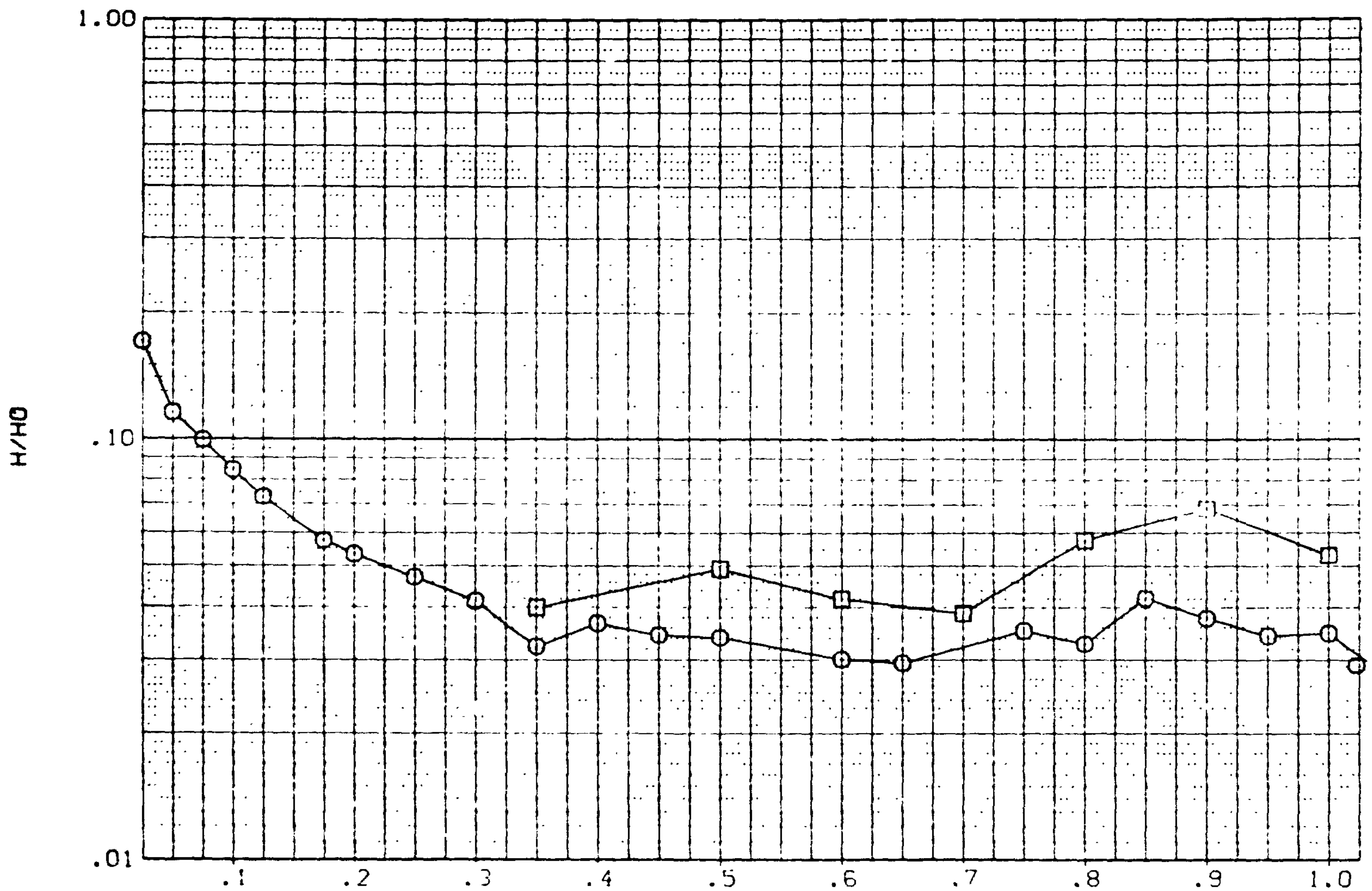


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	6.000
□	117.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

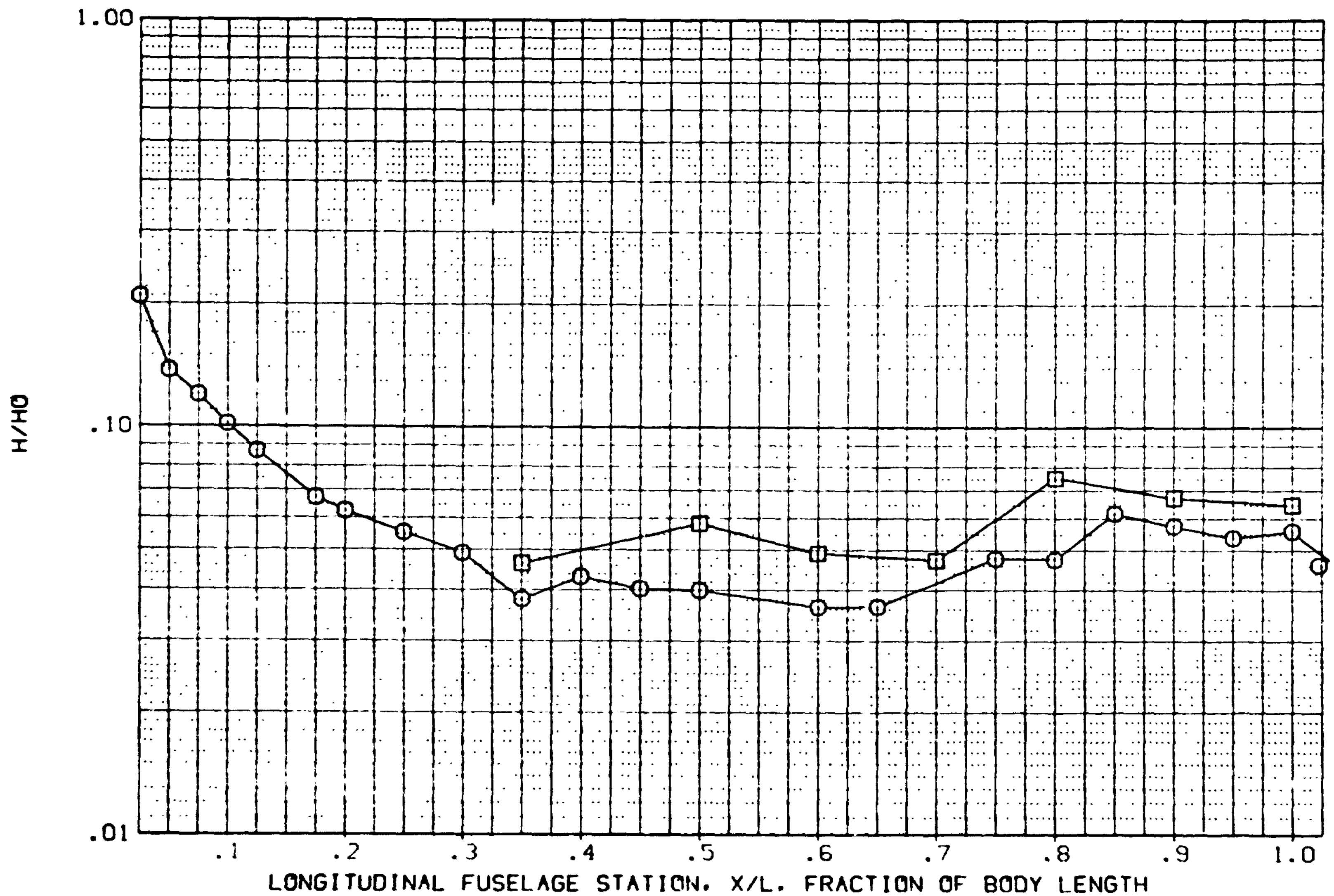


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

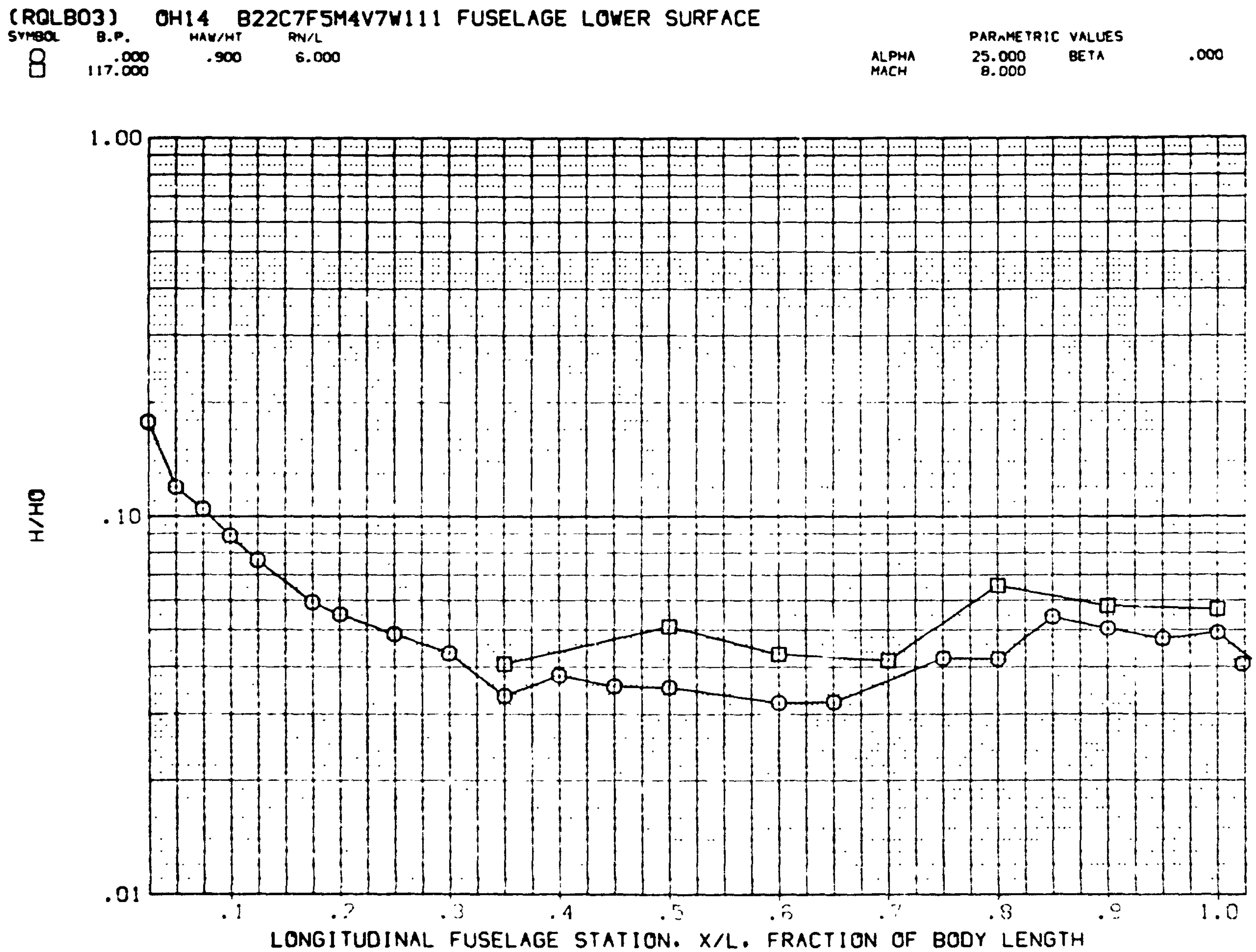


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	8.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

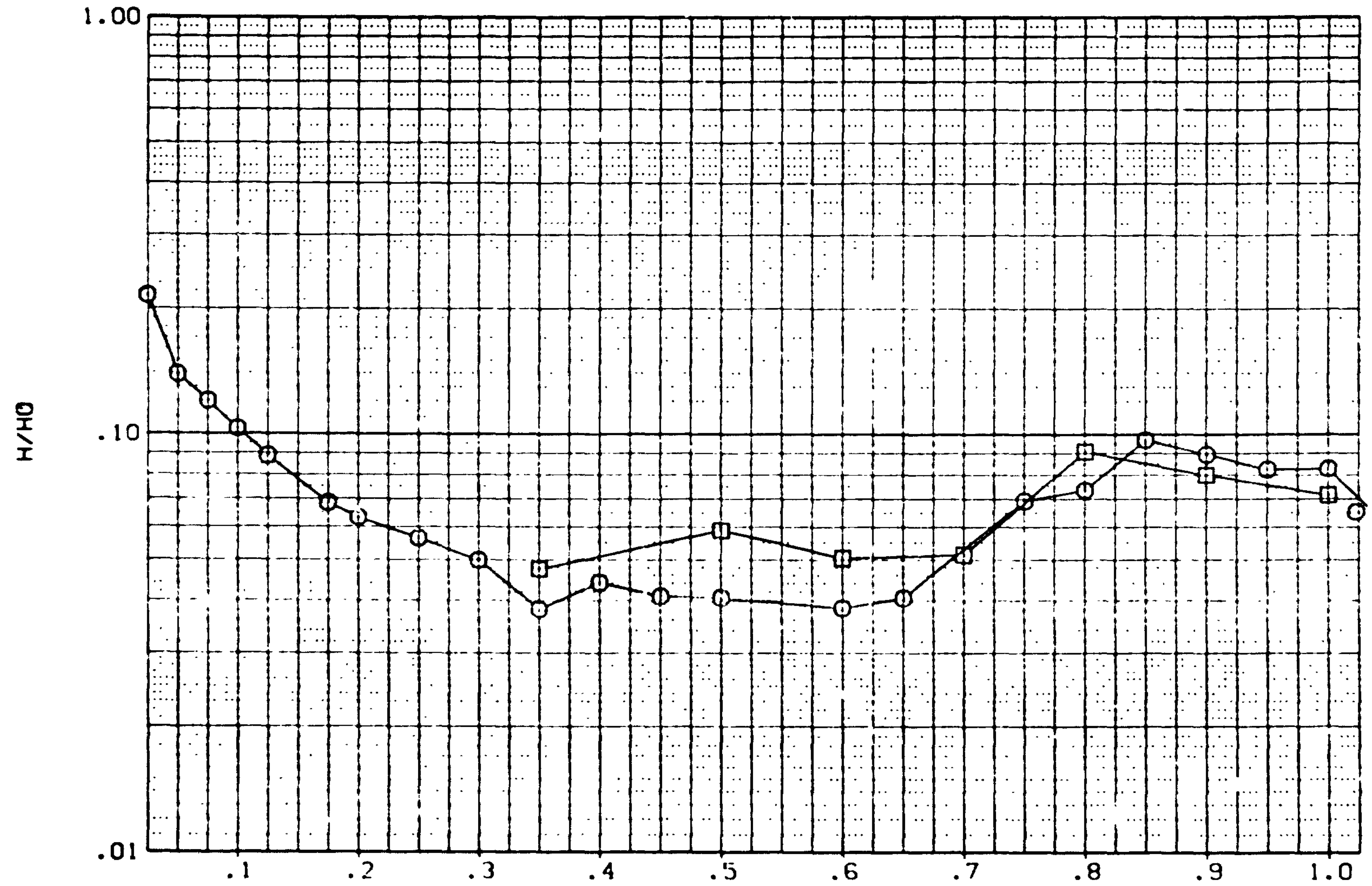


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	8.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

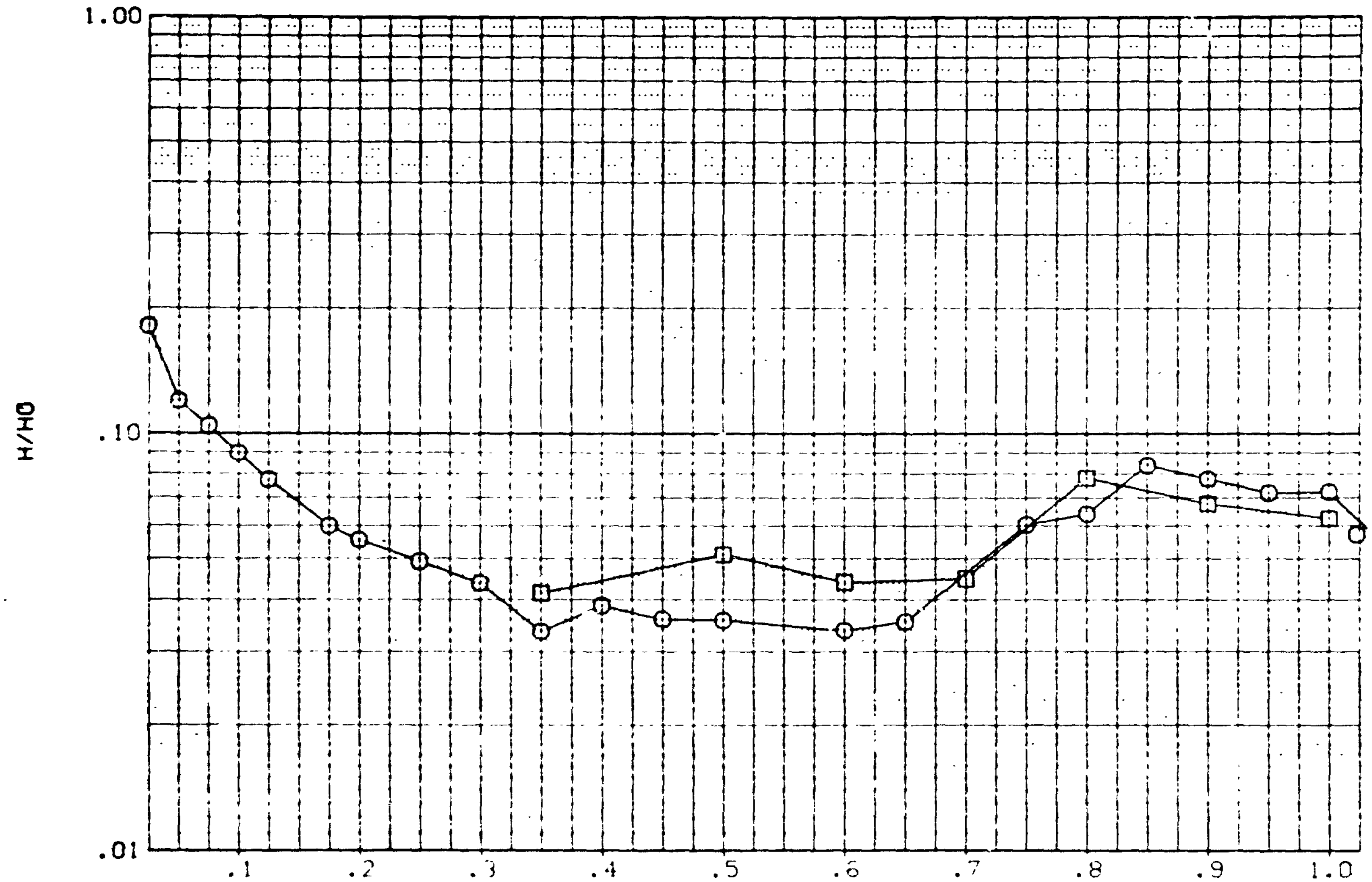


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

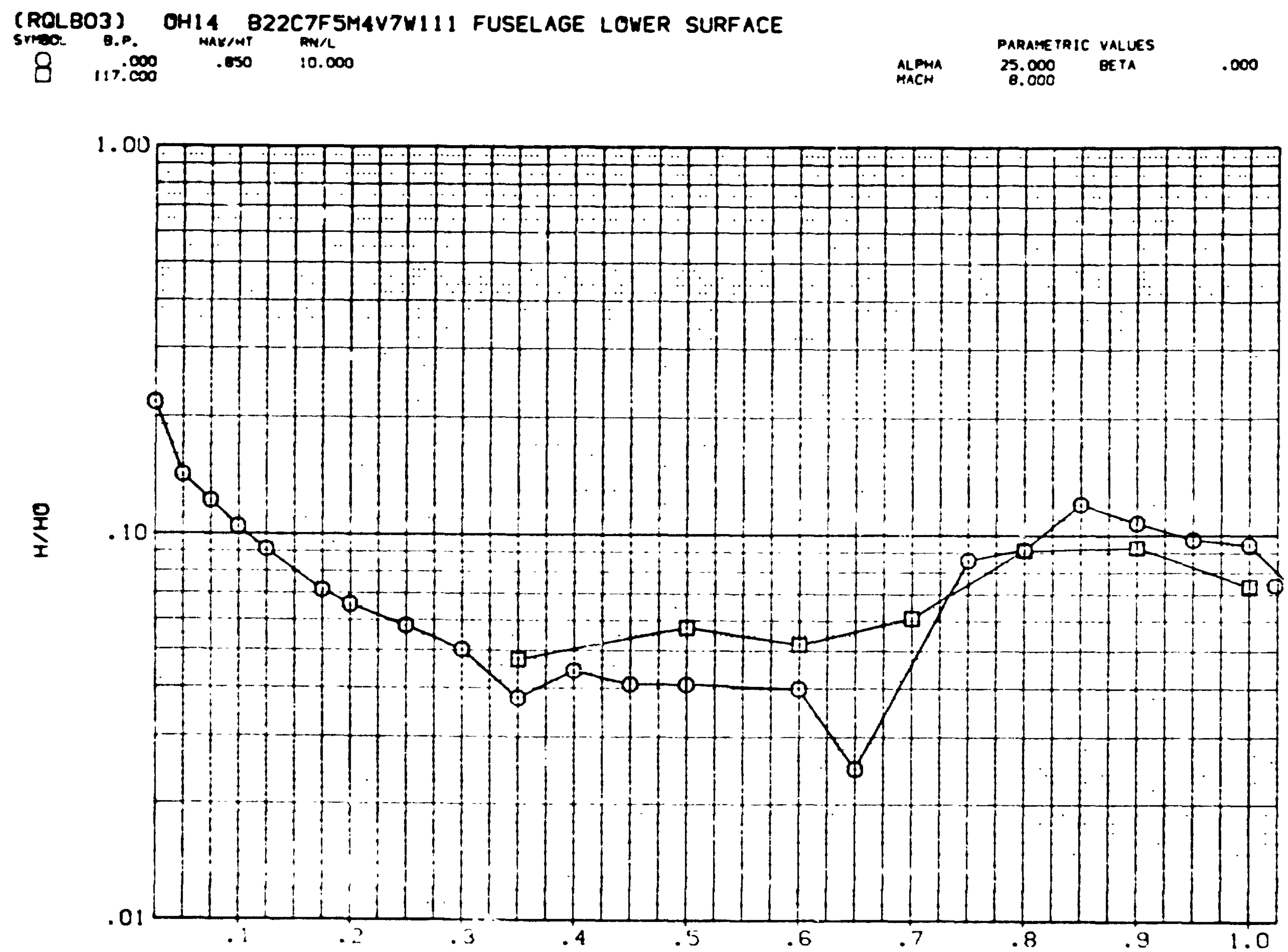


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	10.000
□	117.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 6.000

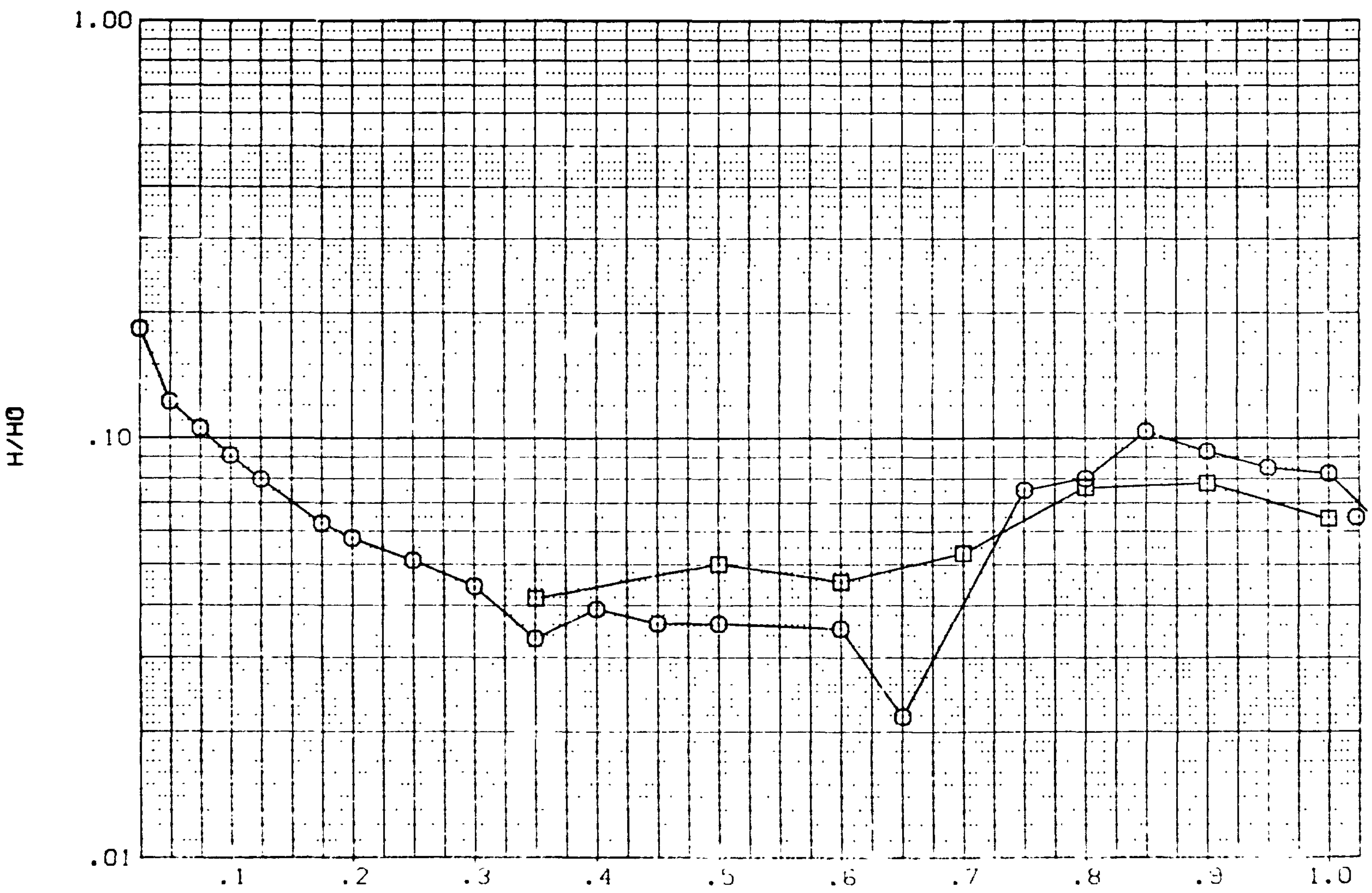


FIG 7 FUSELAGE LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	1.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

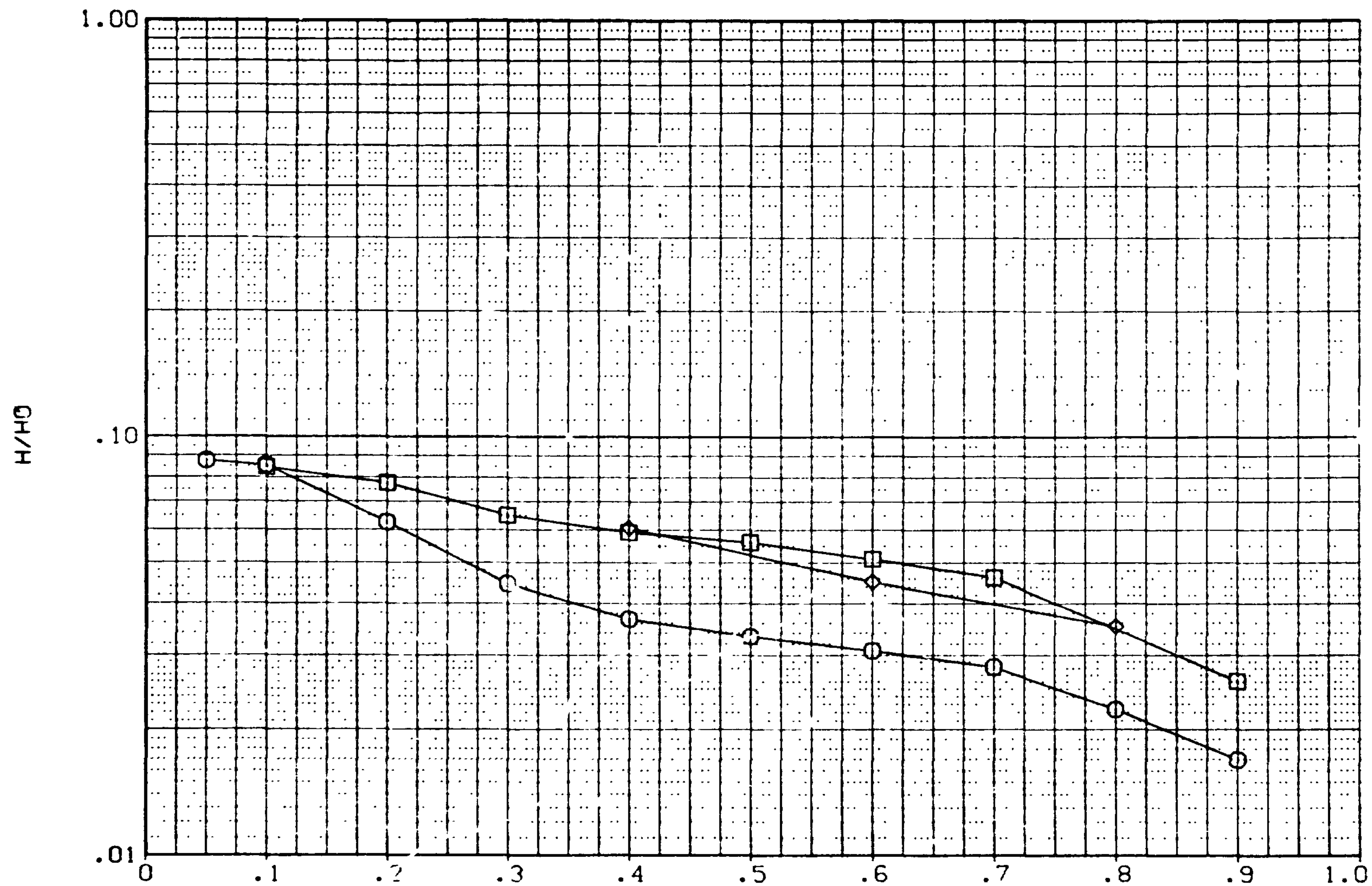


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	1.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

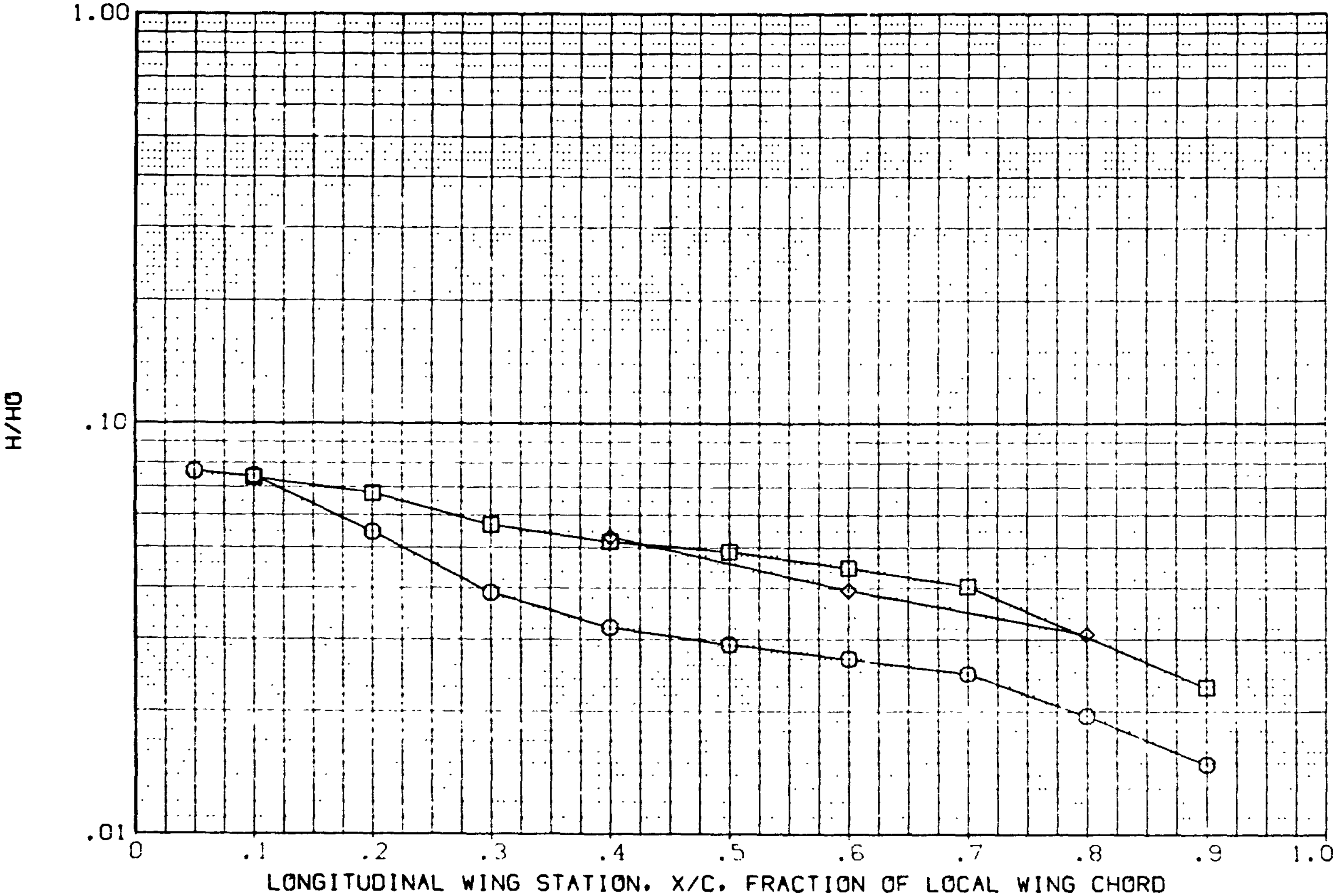


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

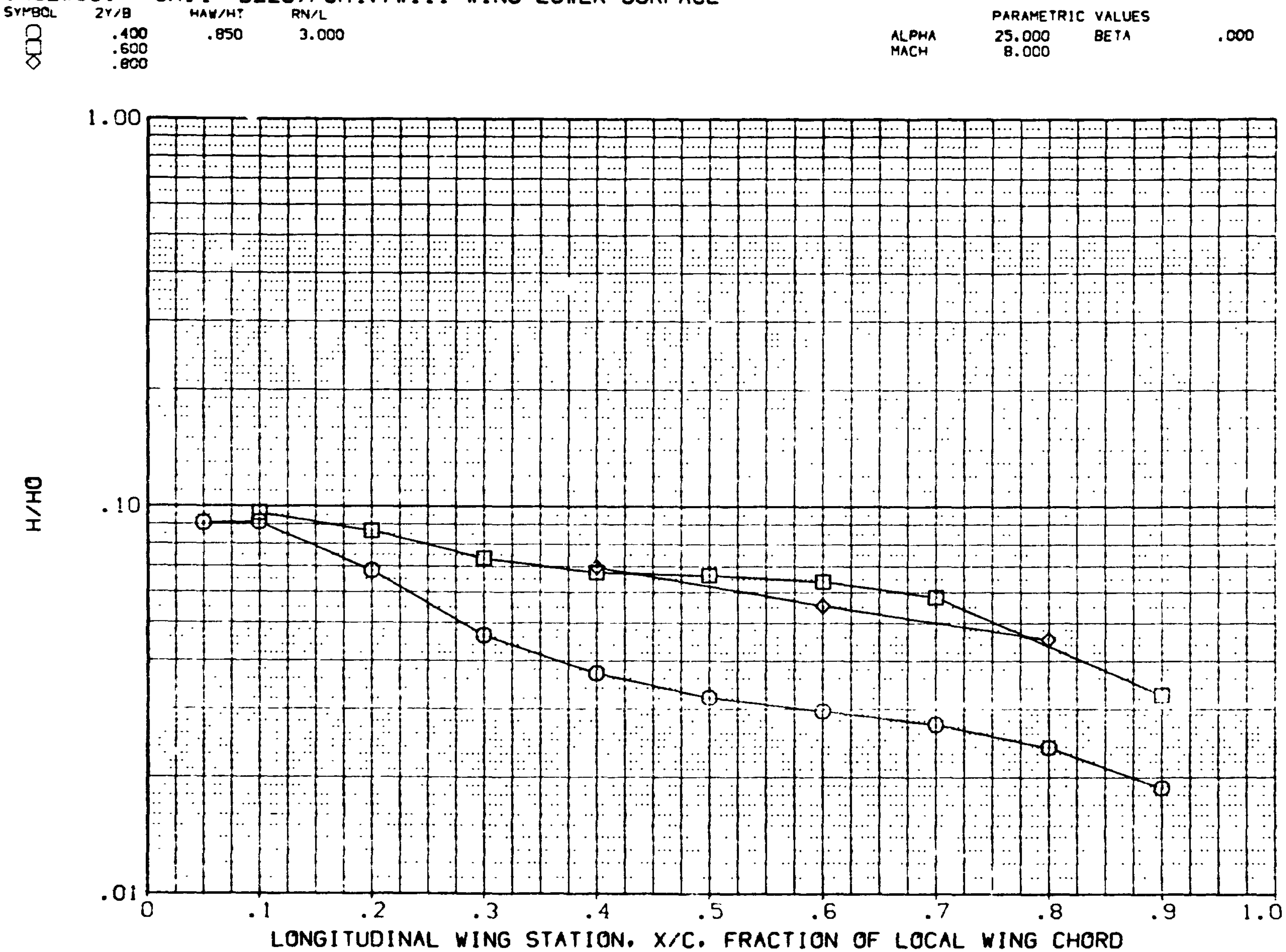


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RCLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	3.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

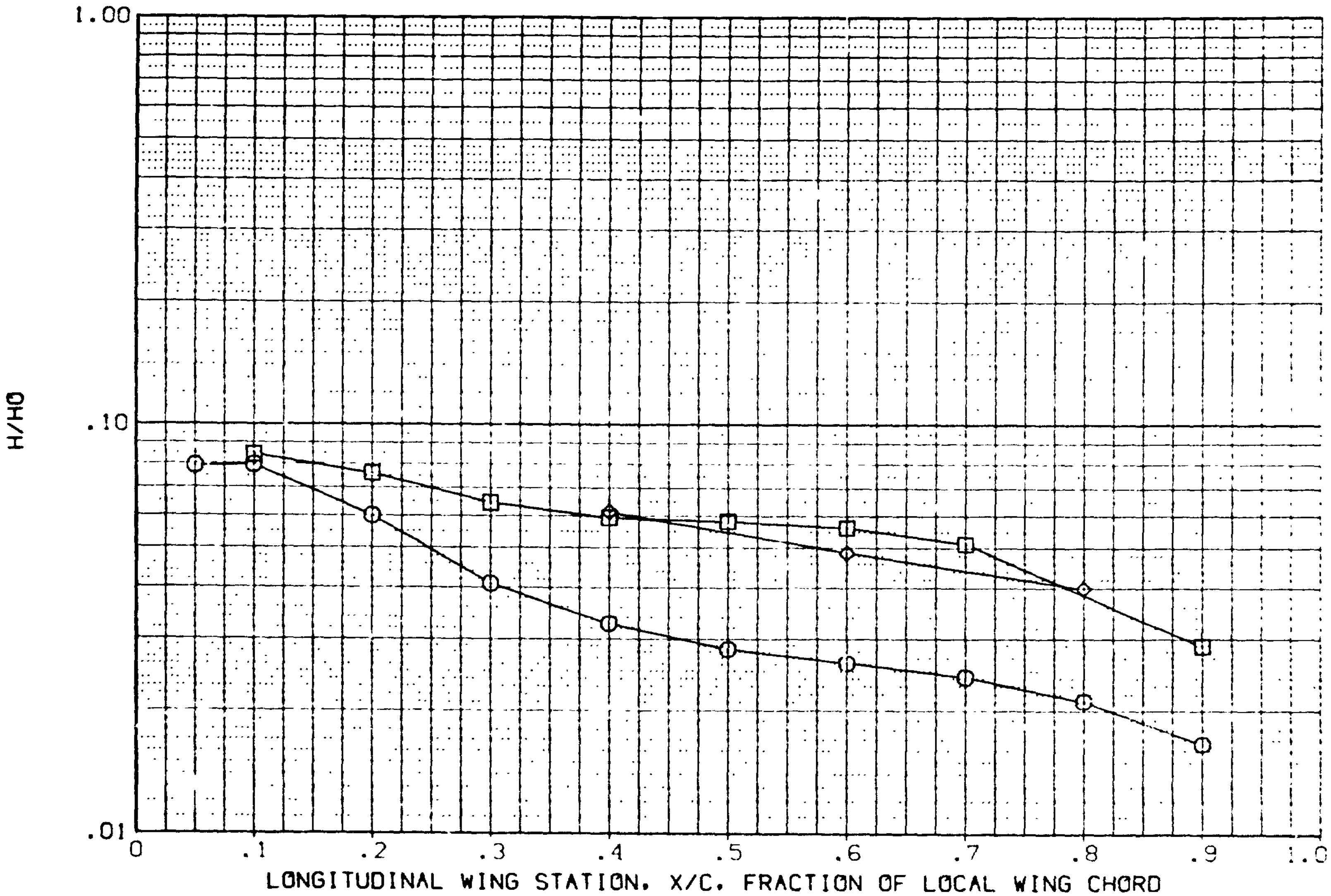


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

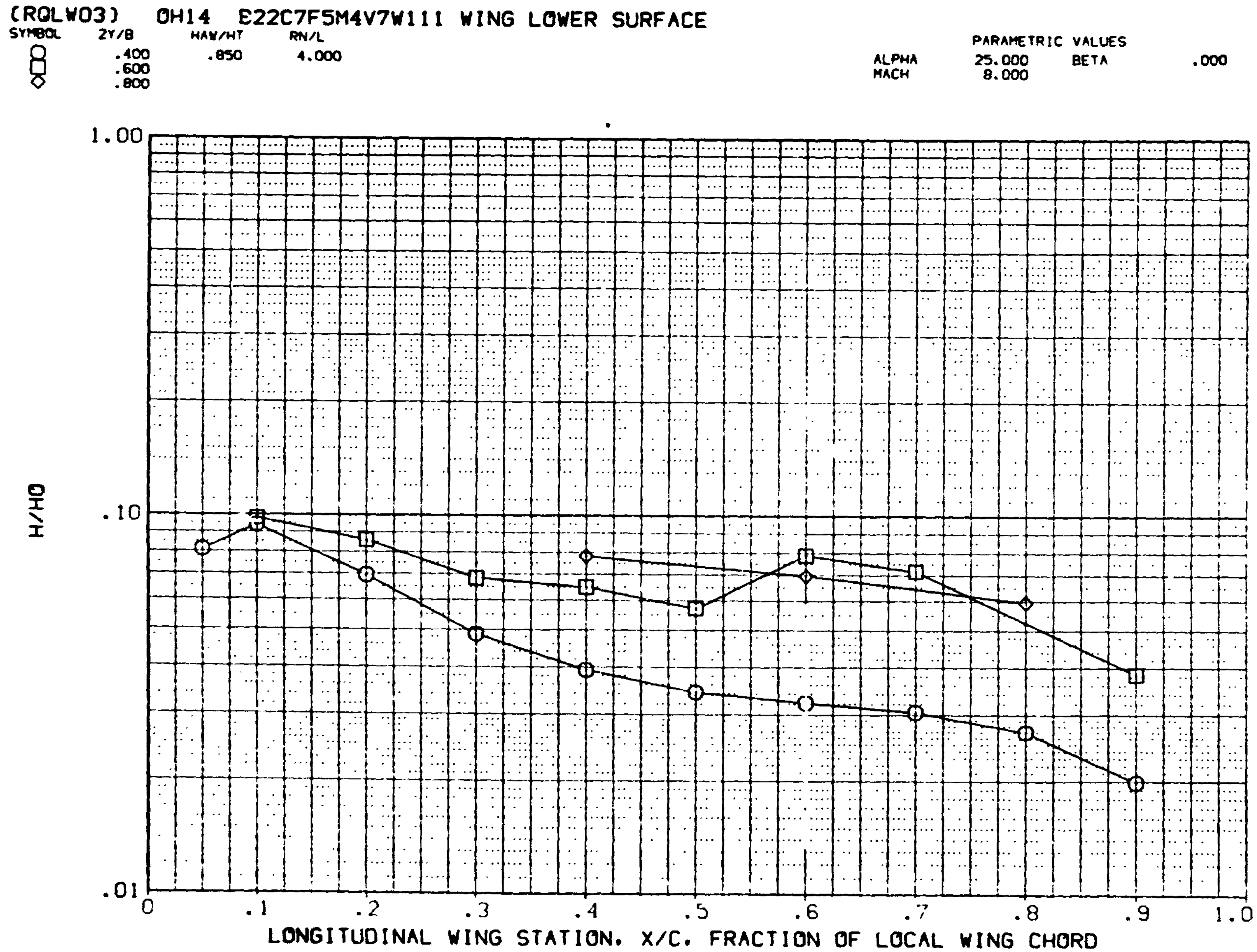


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

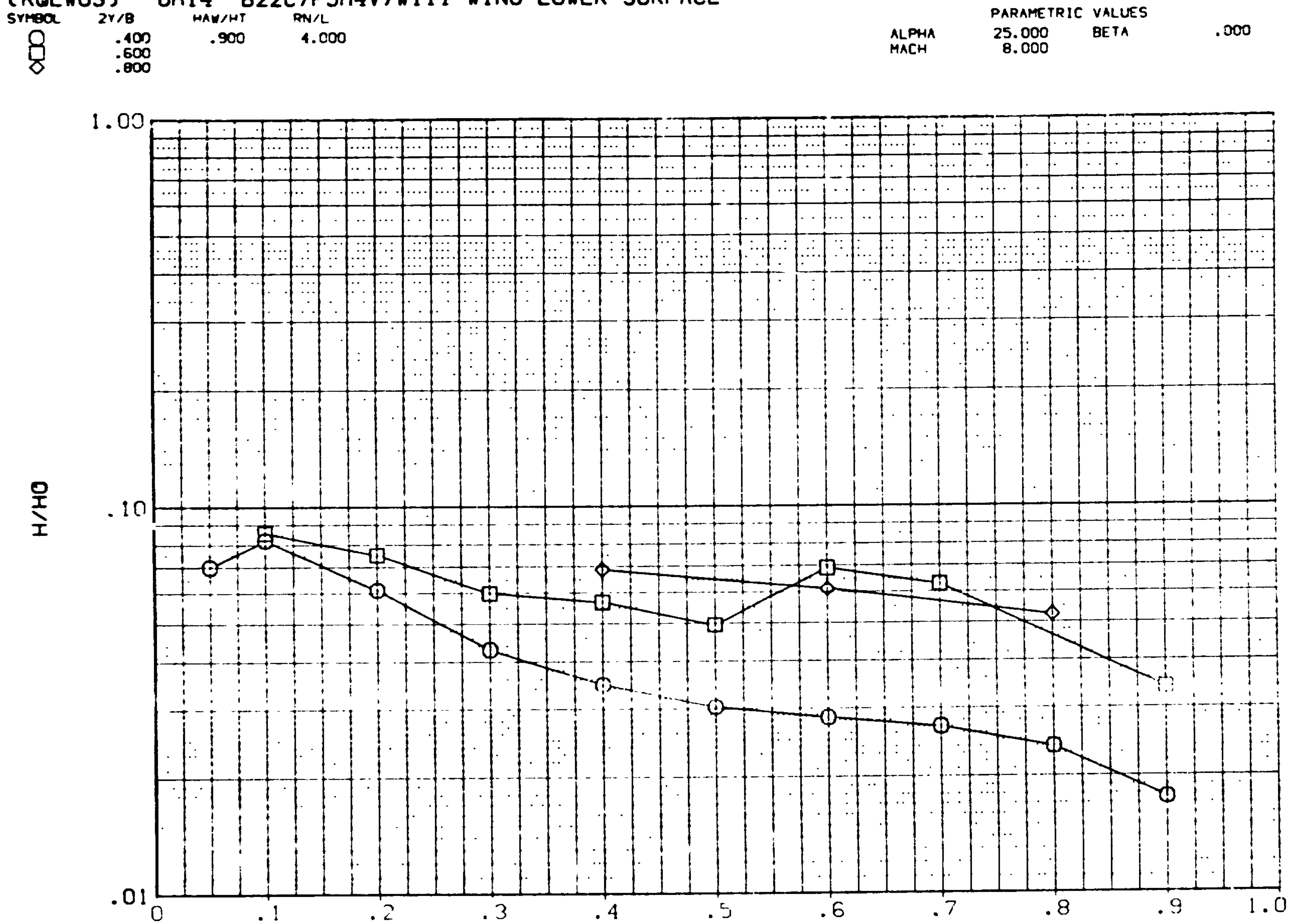


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

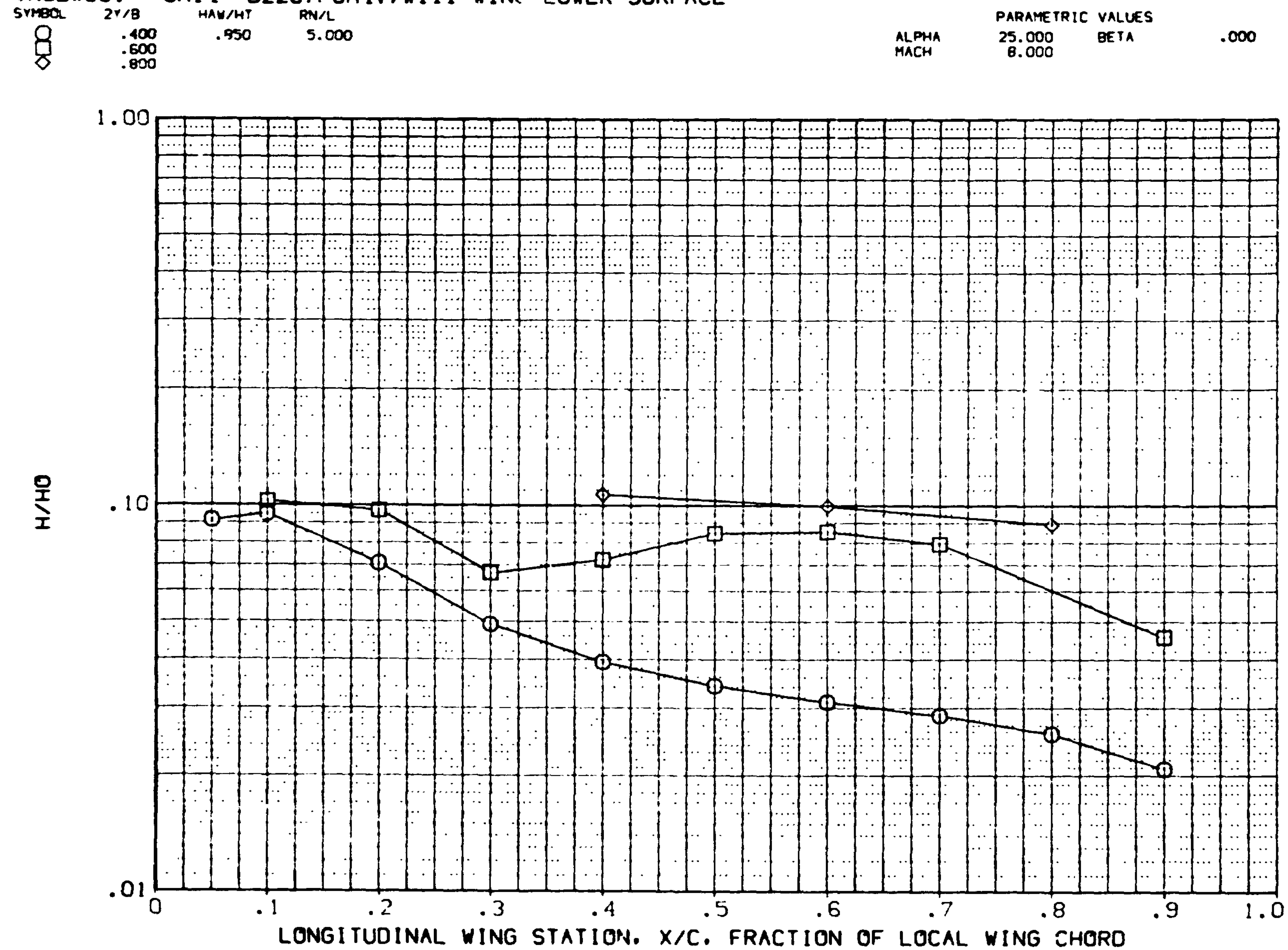


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	5.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

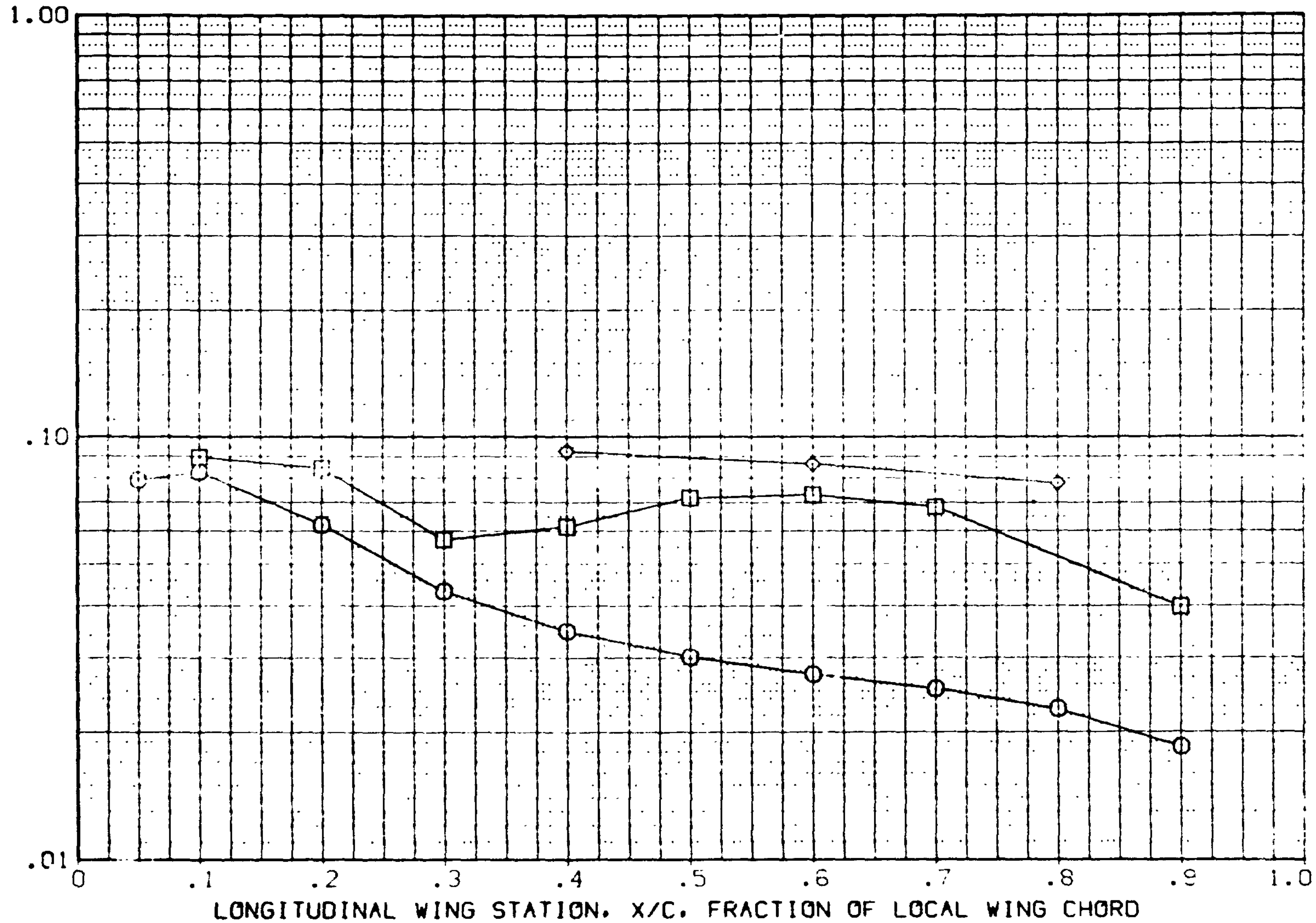


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

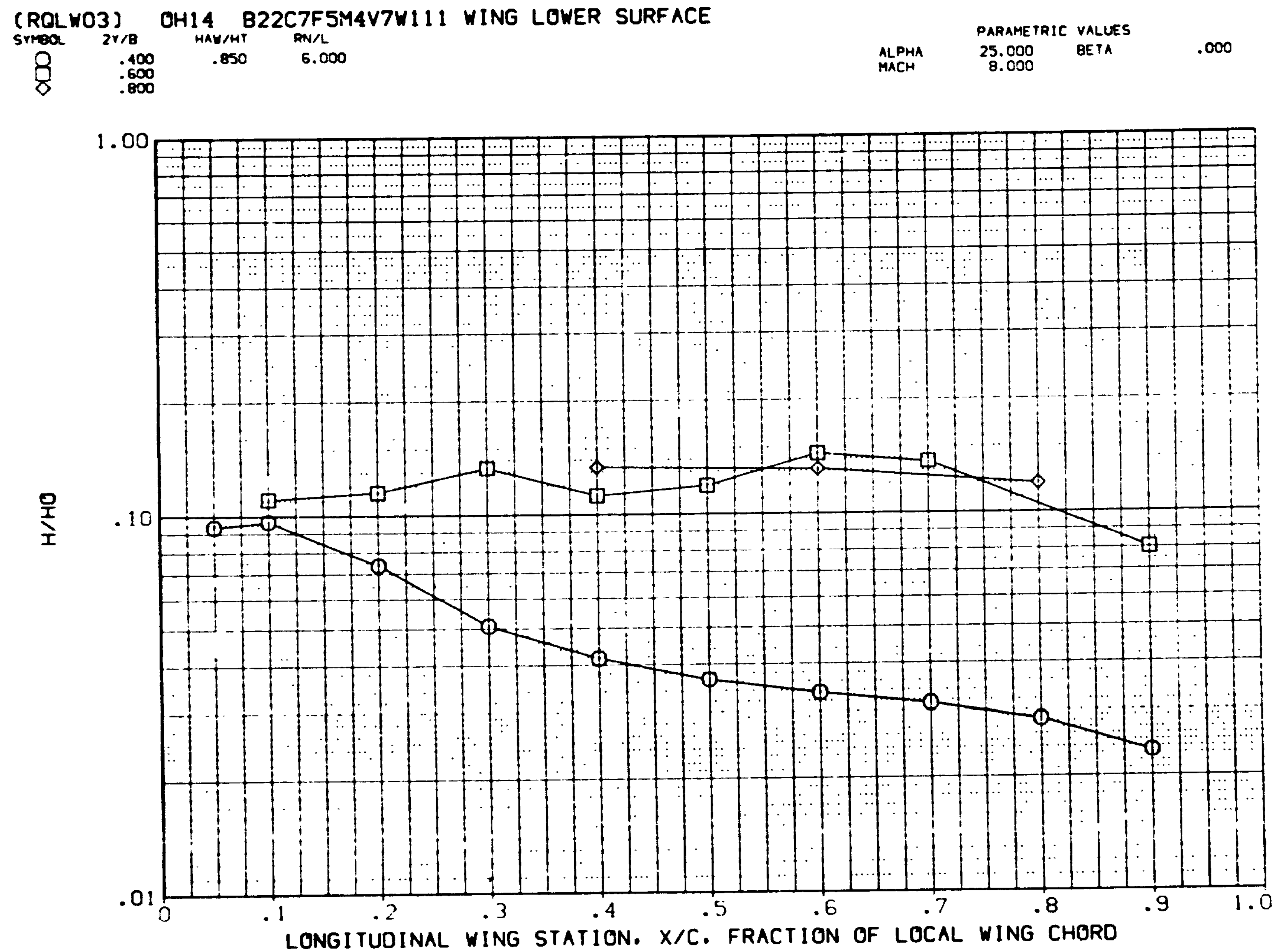


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	6.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

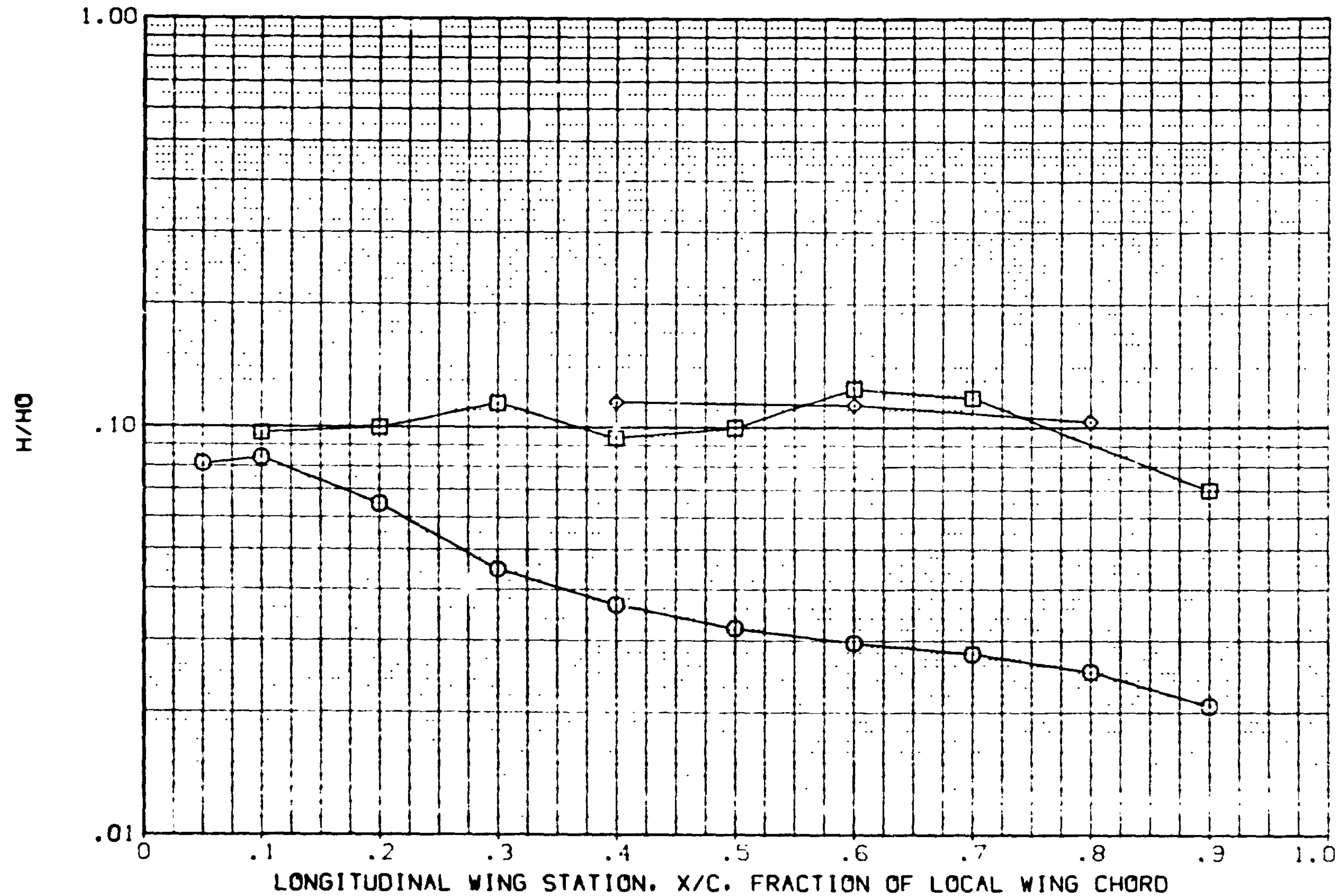


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	8.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

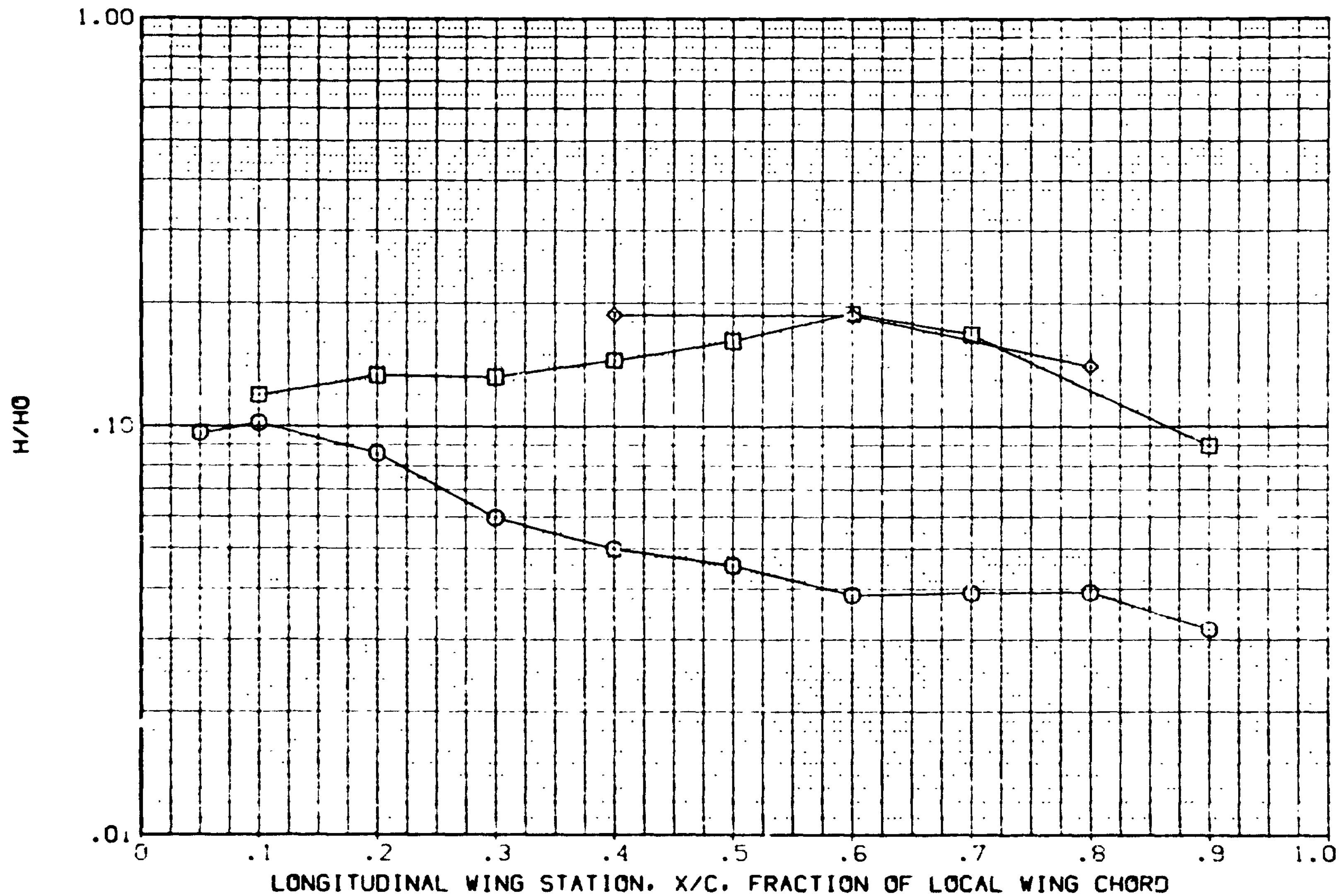


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	8.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

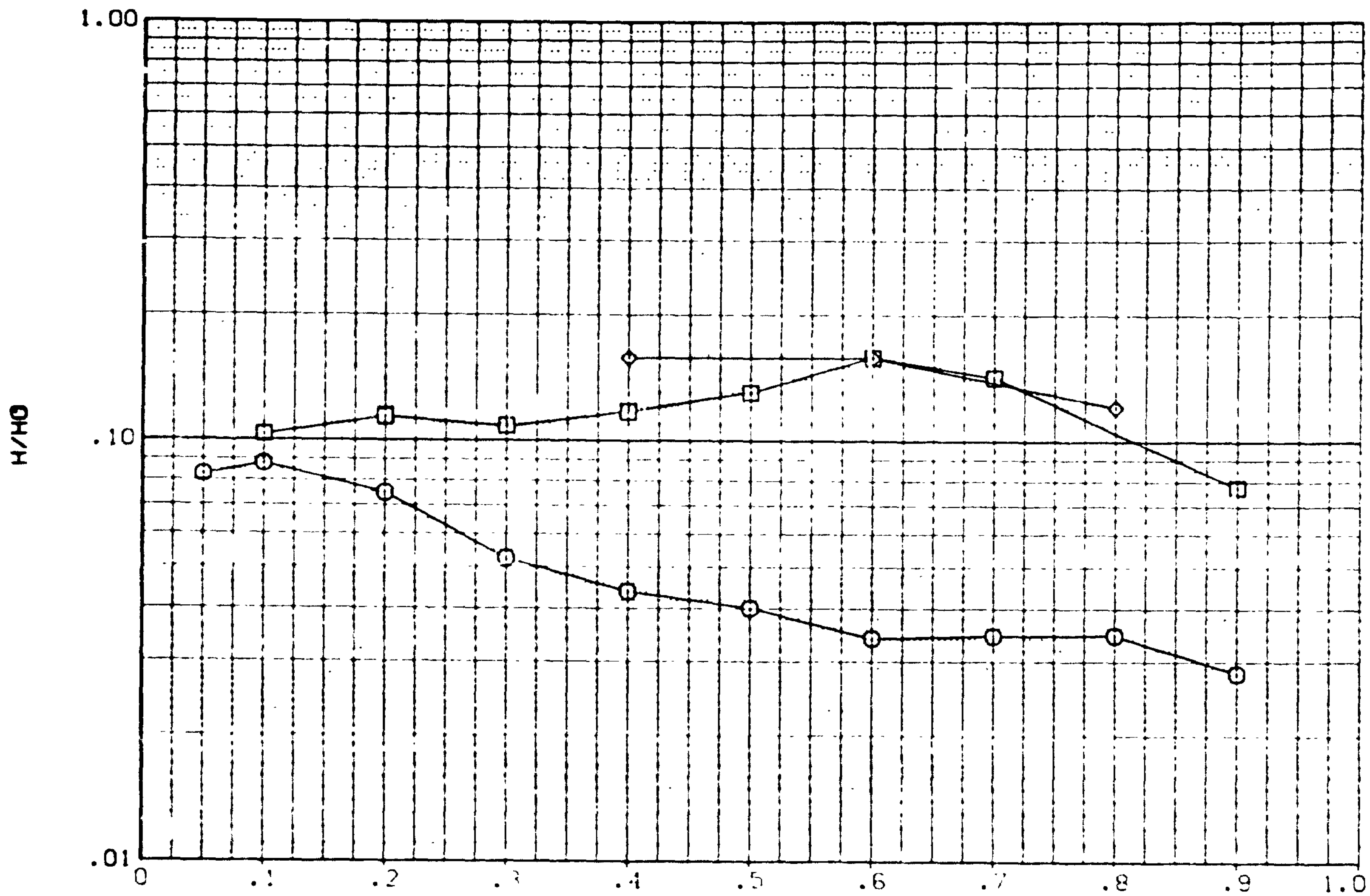


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

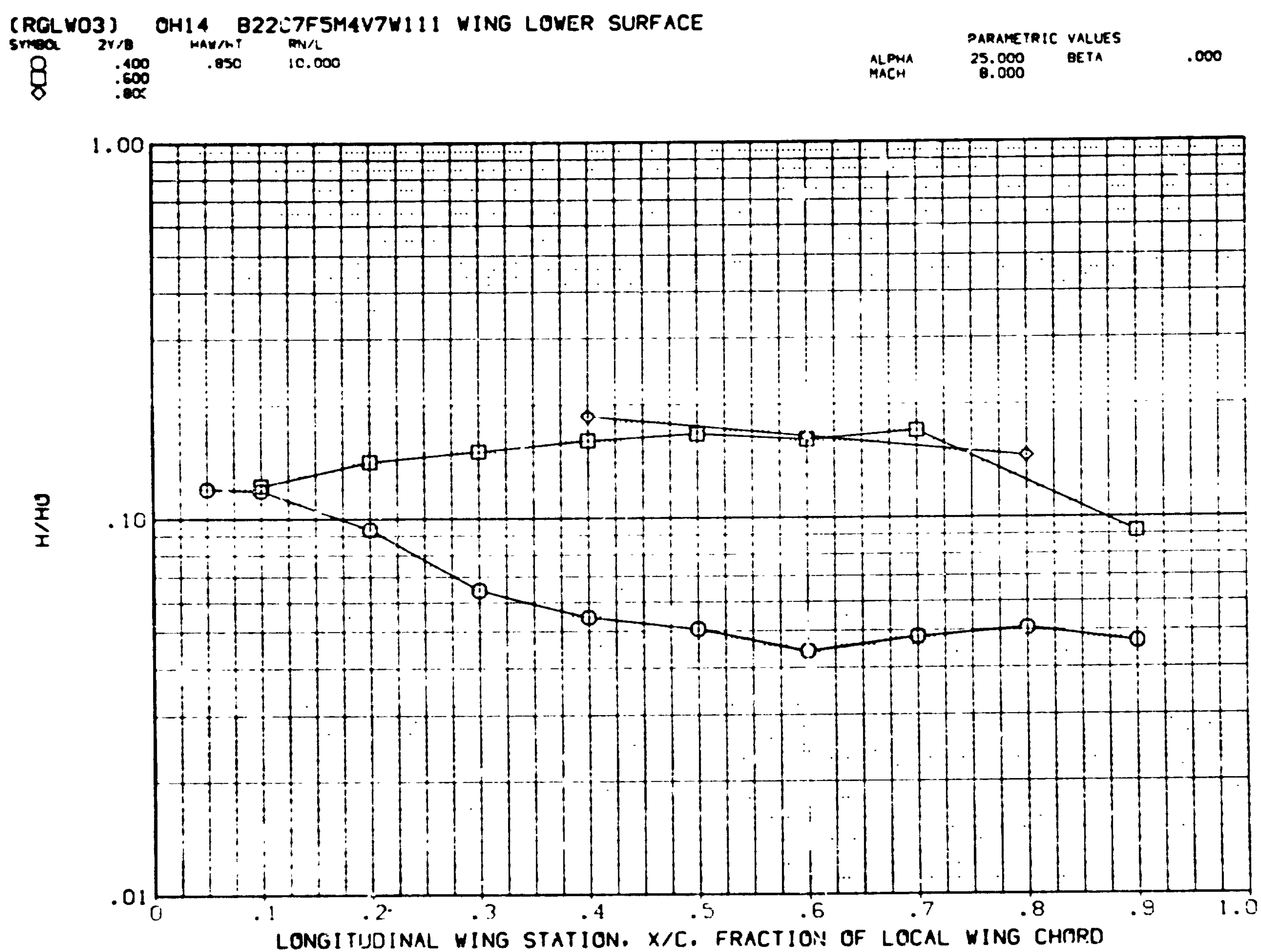


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLV03) QH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	10.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	6.000		

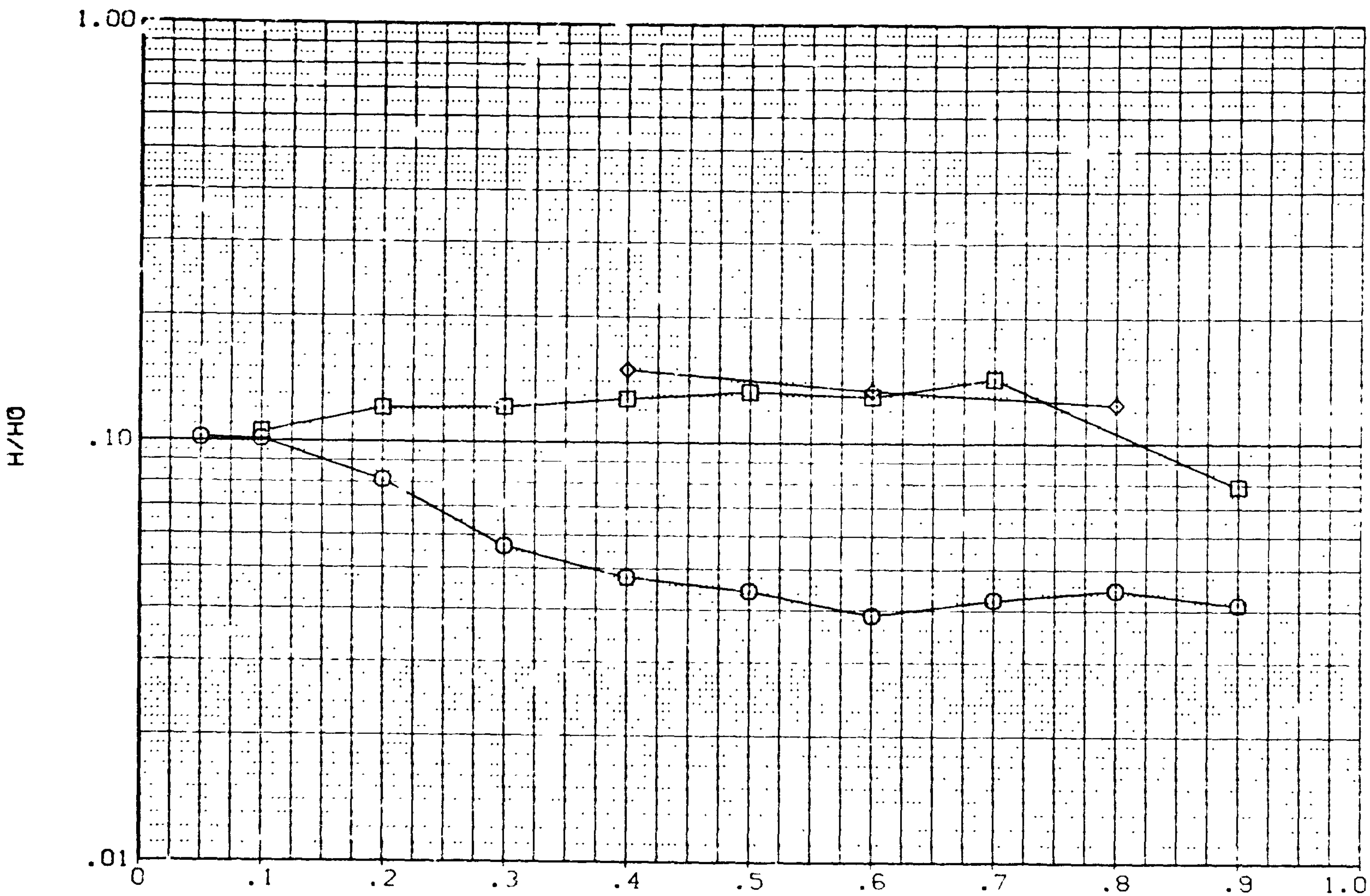


FIG 8 WING LOWER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAJ/HT	RN/L
○	375.000	.850	1.000
□	400.000		
◇	425.000		
△	[illegible]		
⊿	[illegible]		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

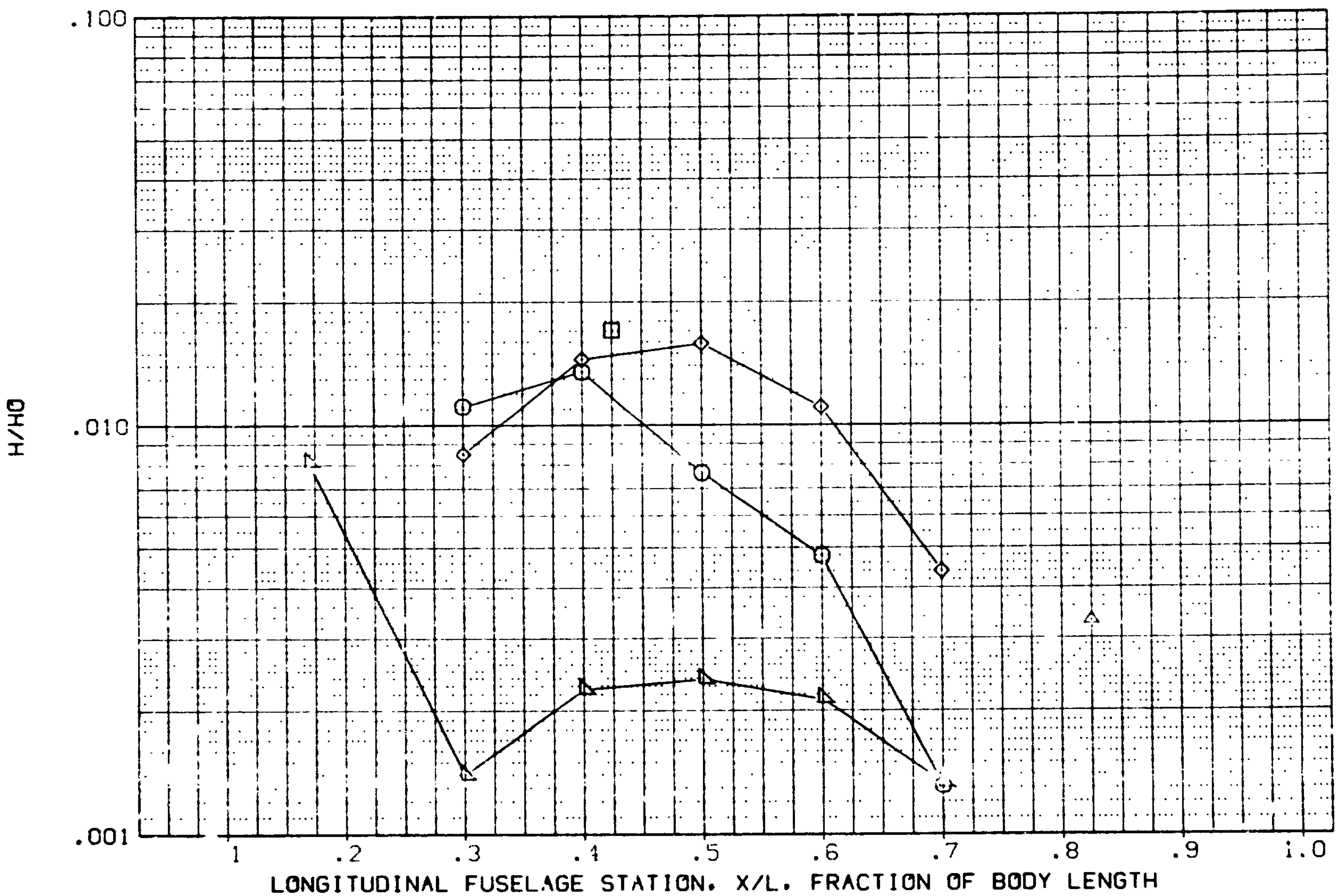


FIG 5 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

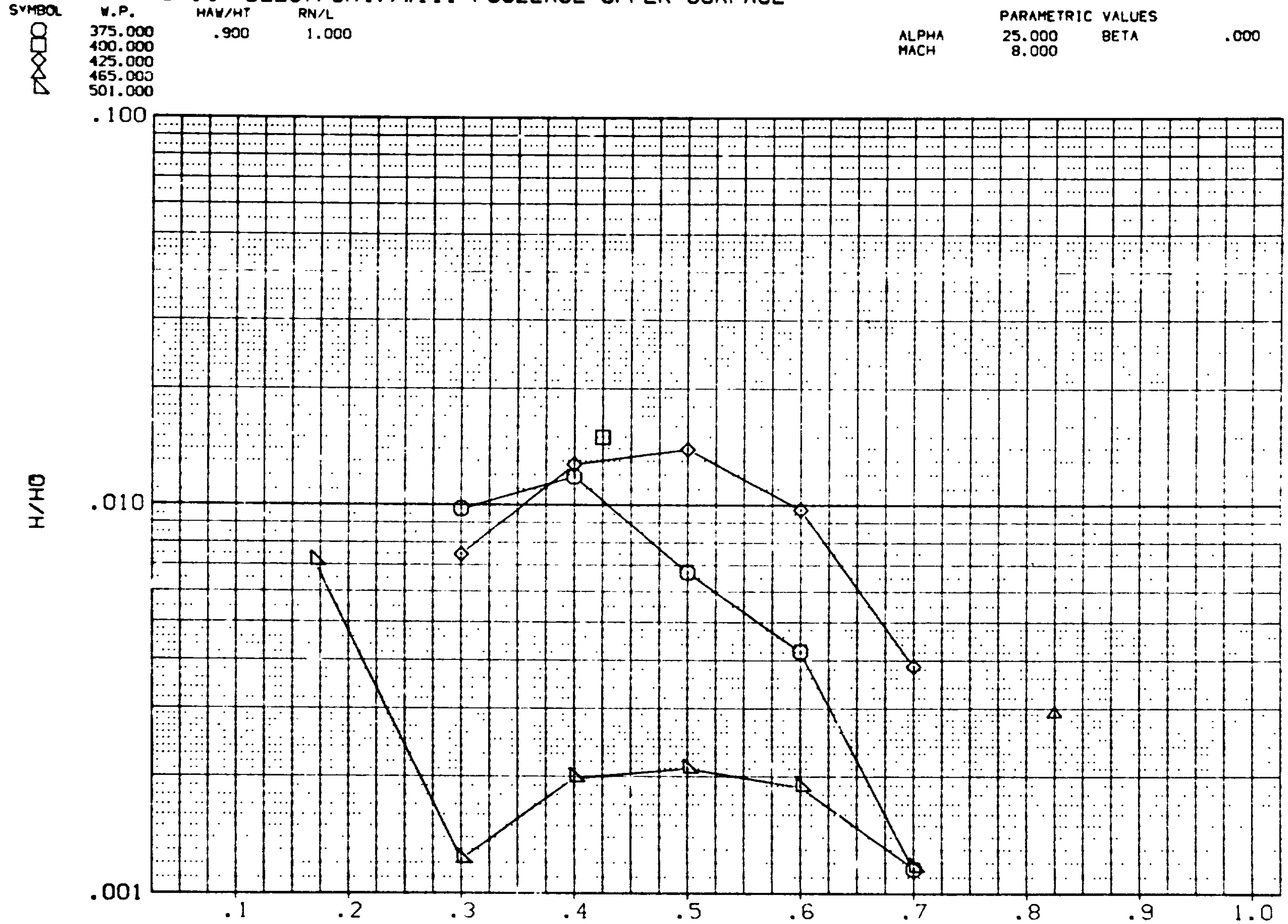


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

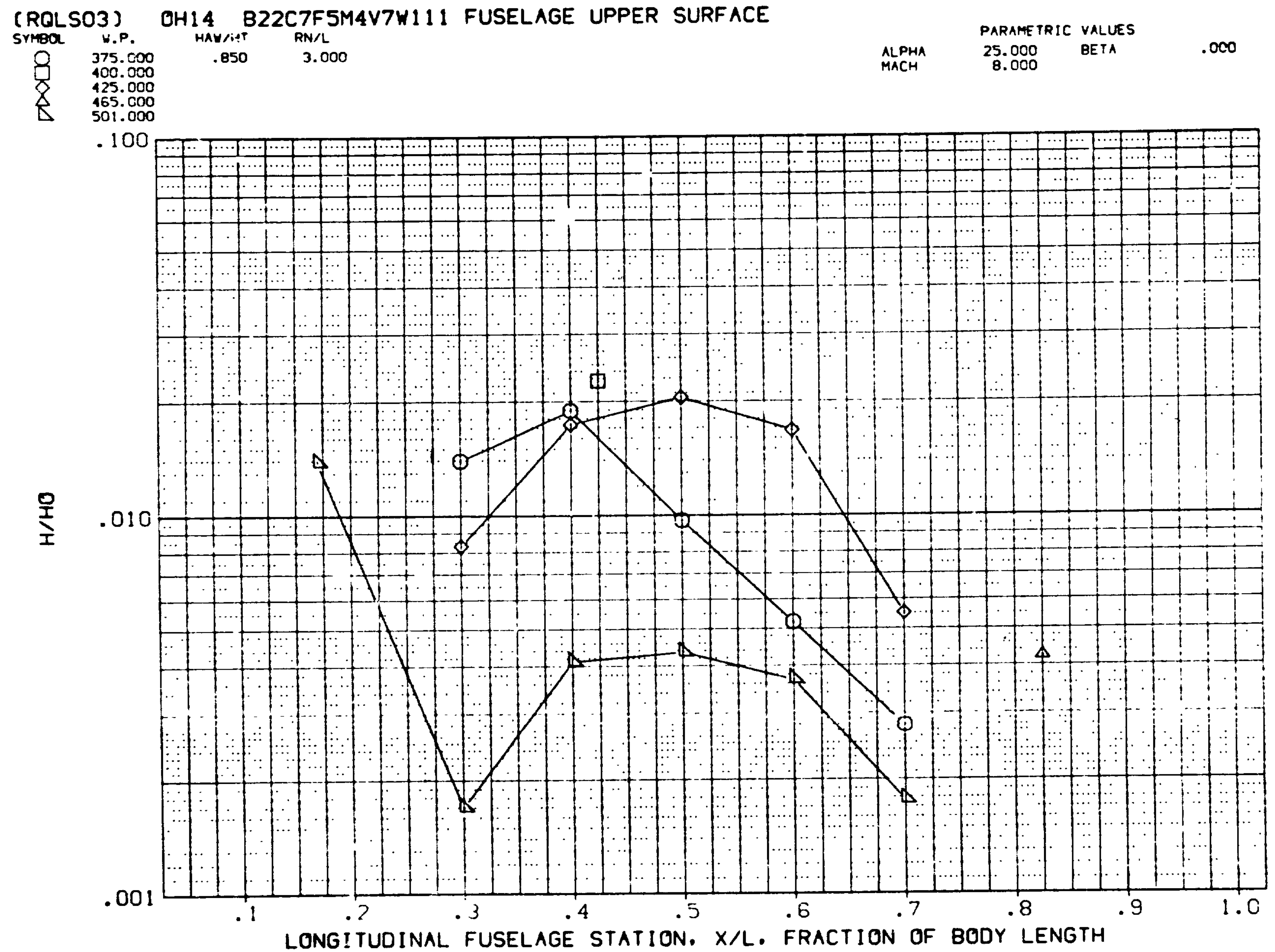


FIG 9 FUSELAGE UPPER SUPFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

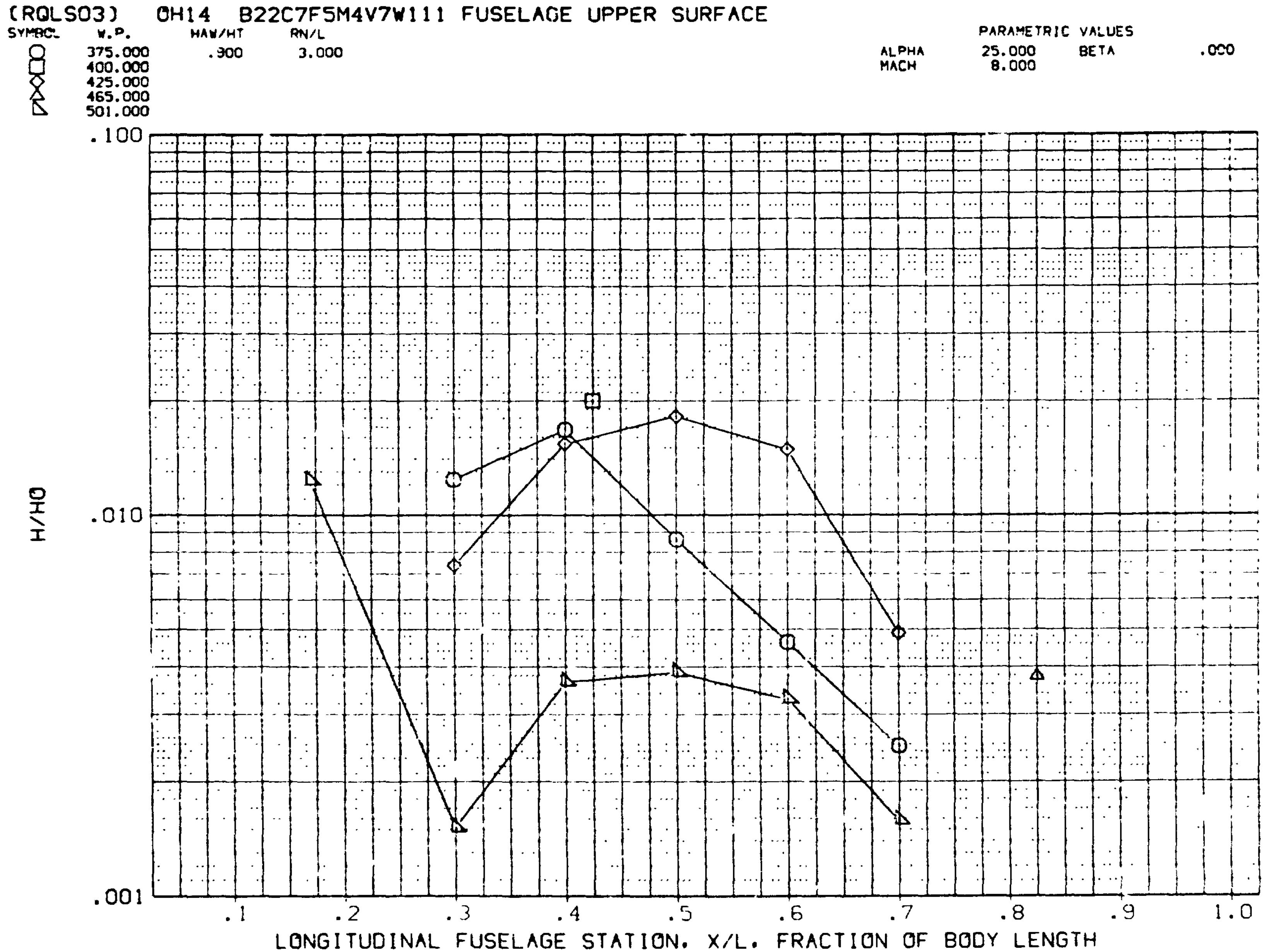


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

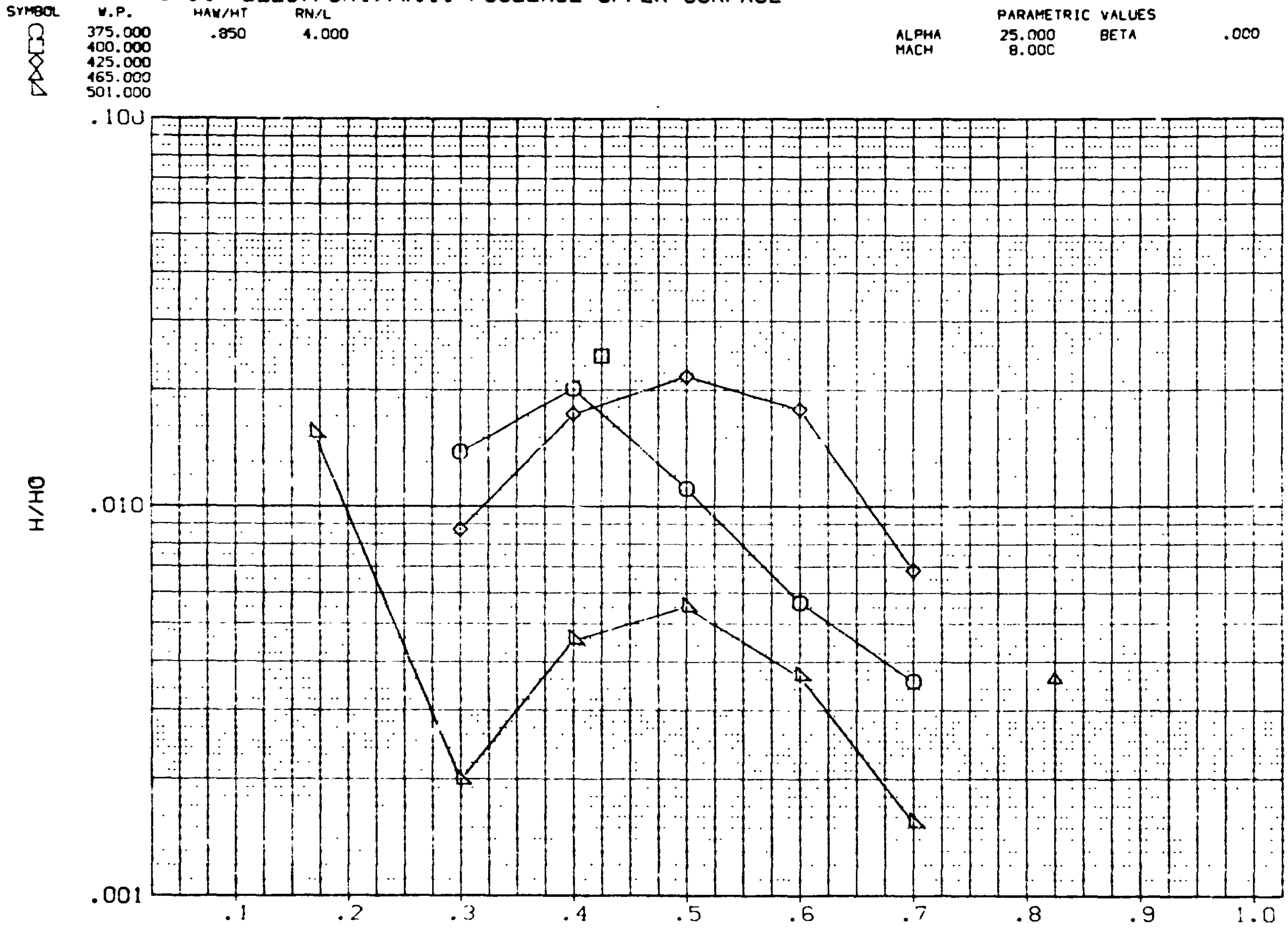


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

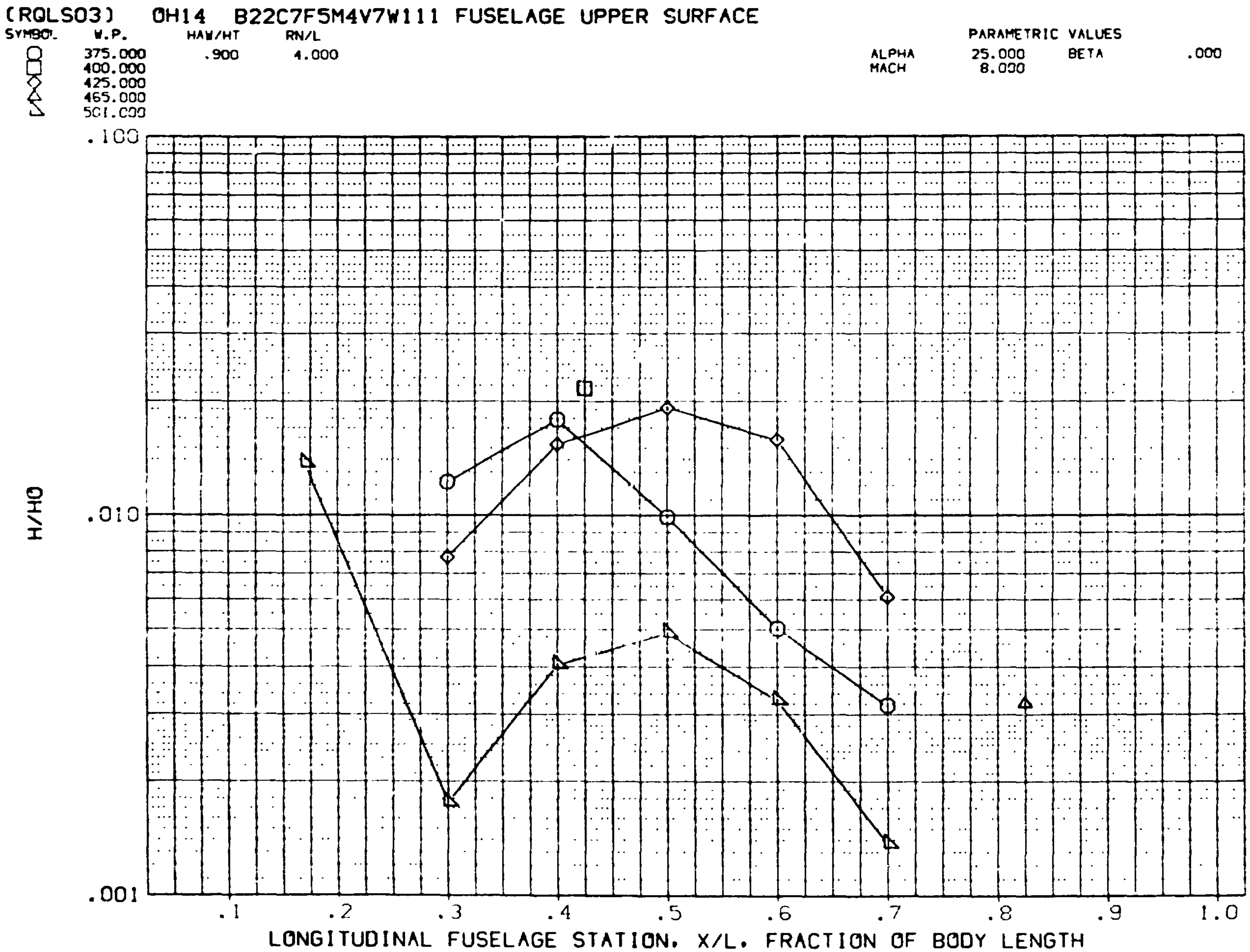


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

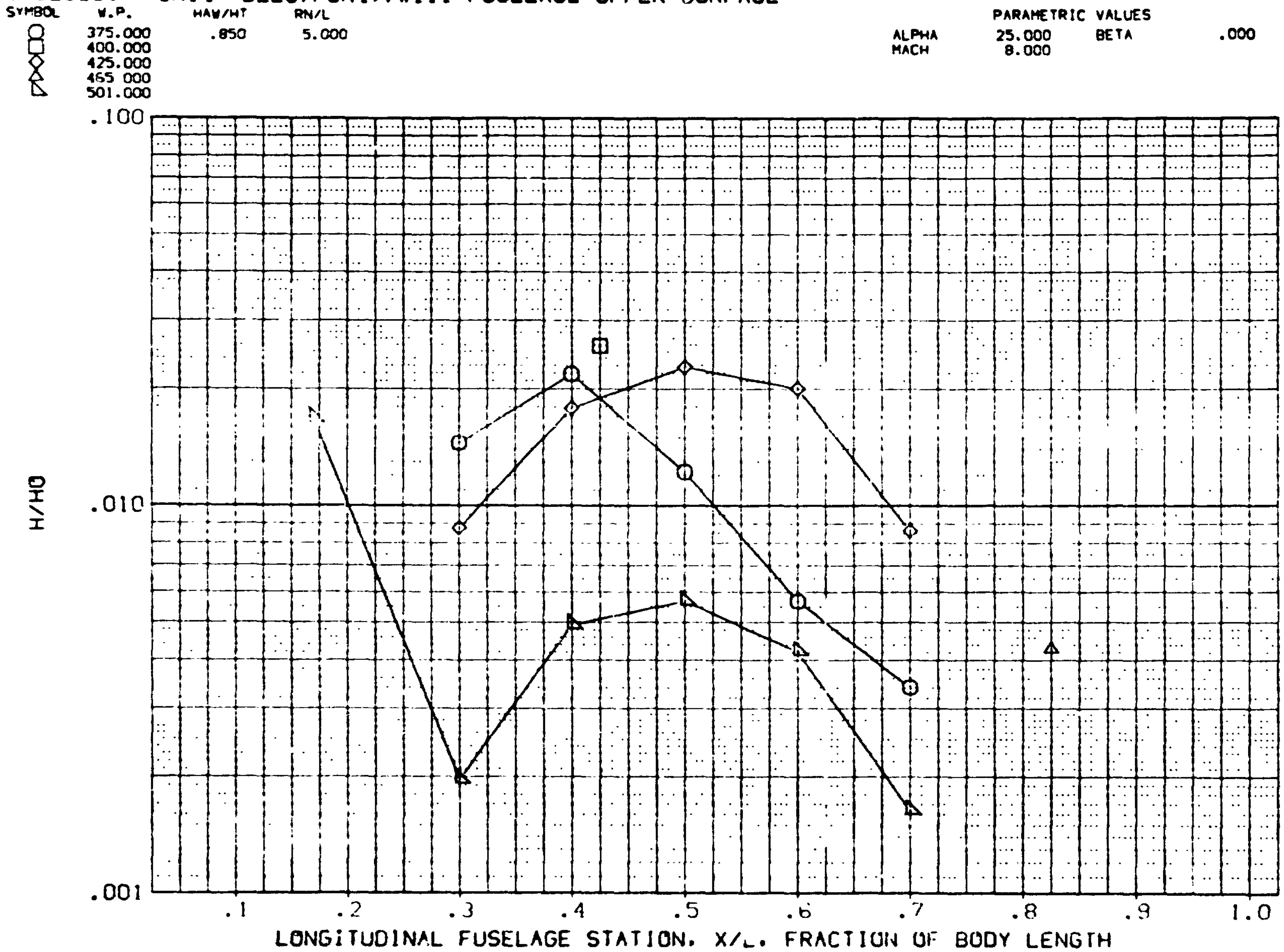


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

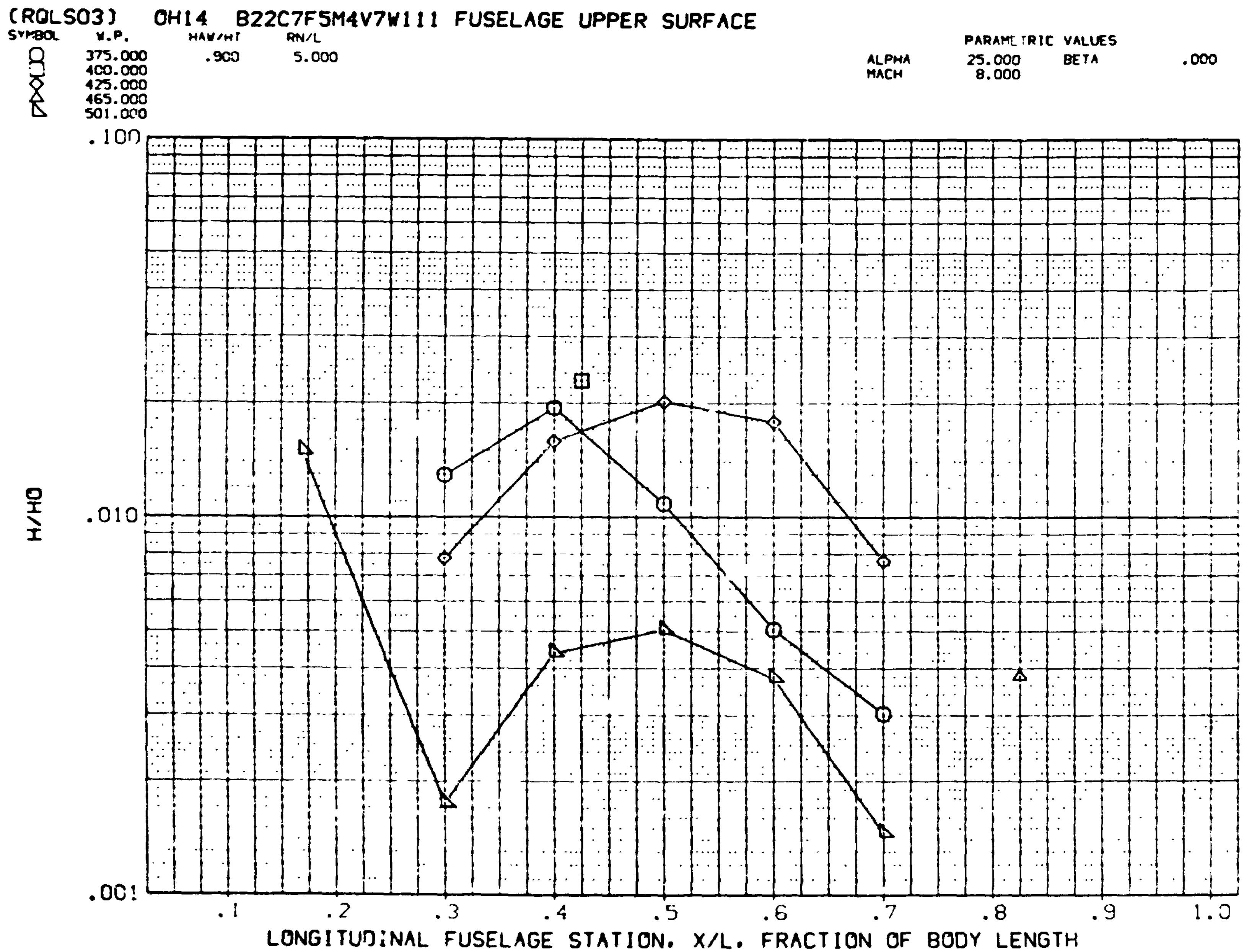


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

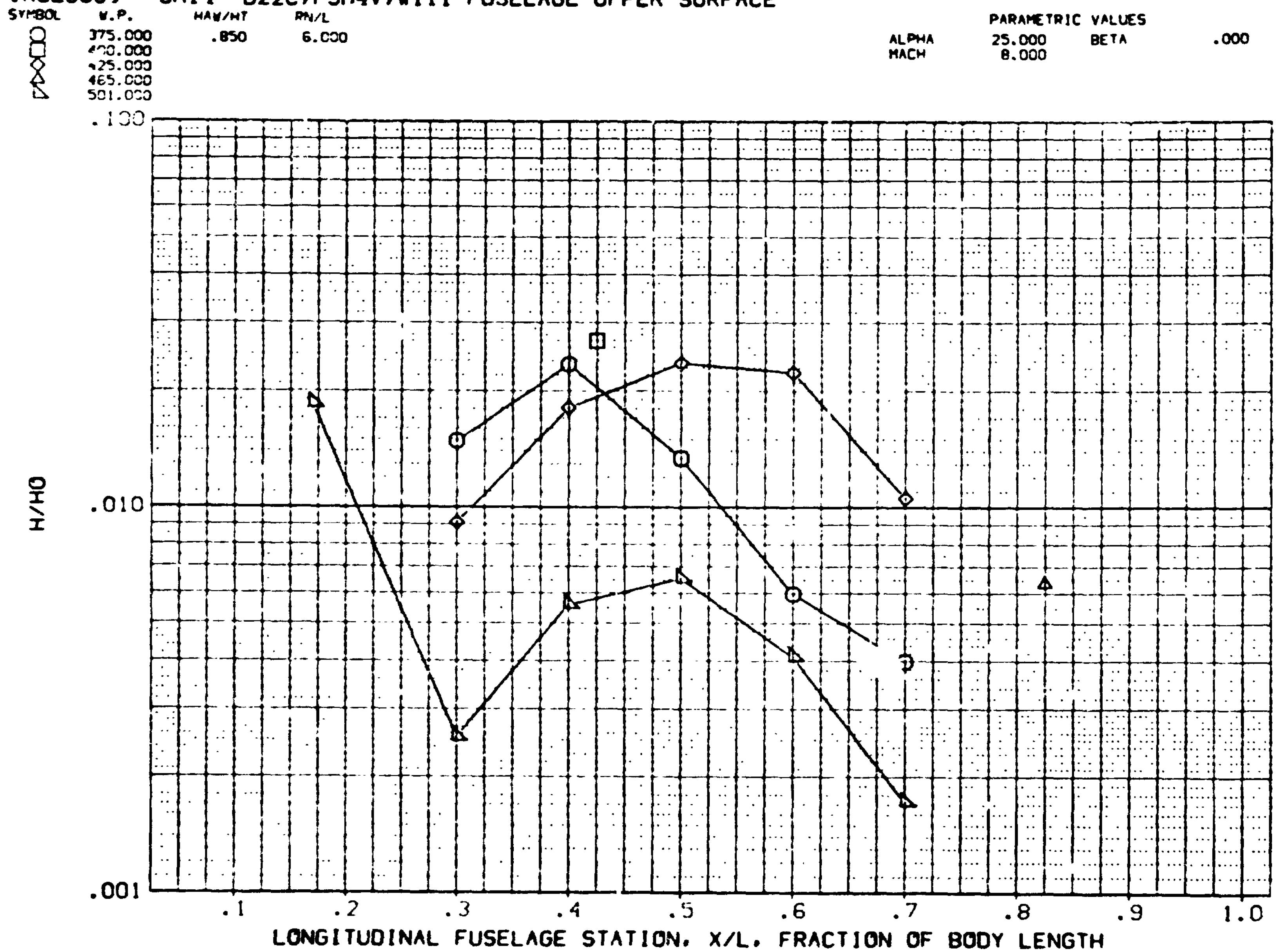


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03)   OH14   B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	RN/L		PARAMETRIC VALUES		
○	375.000	.900	6.000	ALPHA	25.000	BETA	.000
□	400.000			MACH	8.000		
◇	425.000						
△	465.000						
◁	501.000						

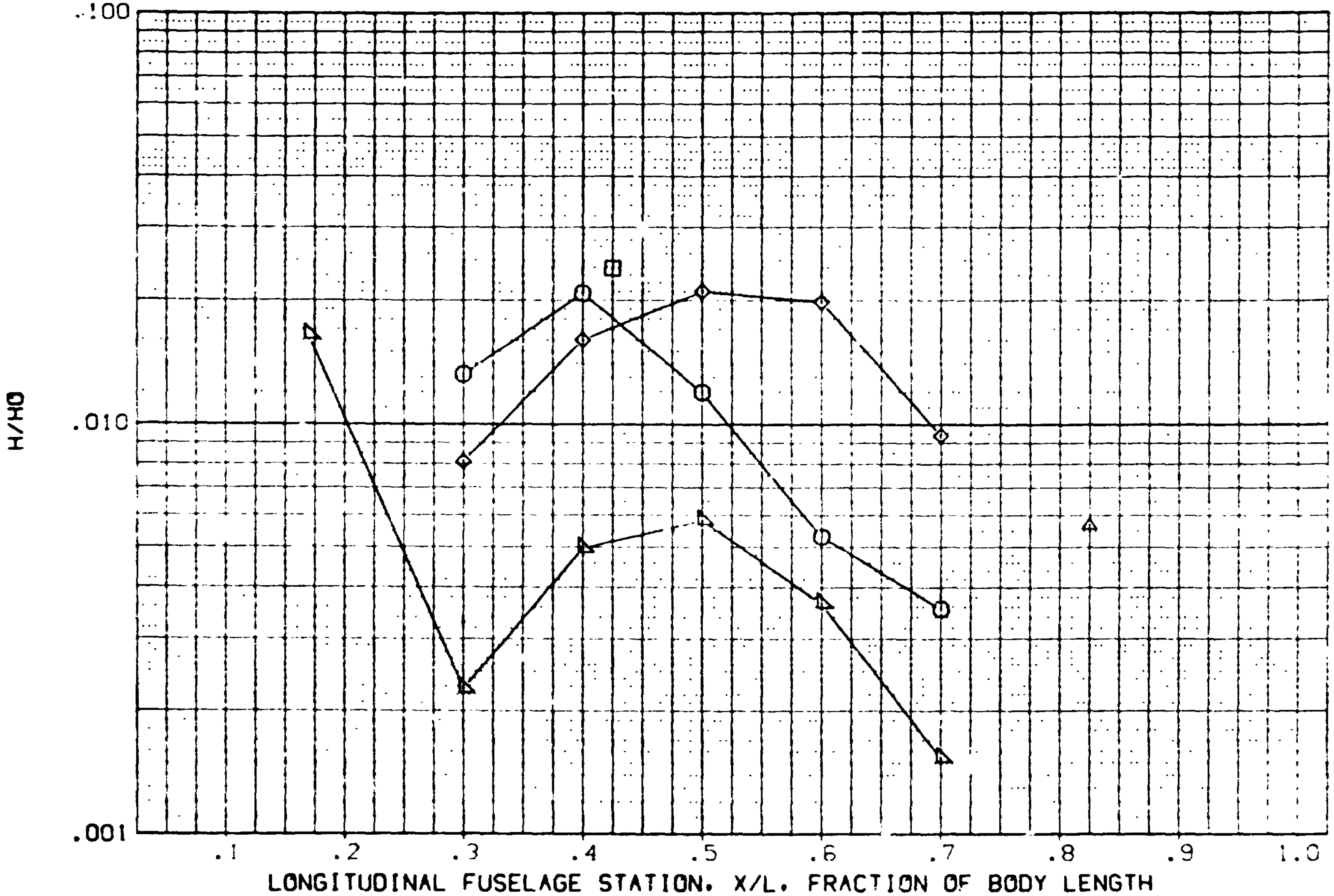


FIG 9   FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RGLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

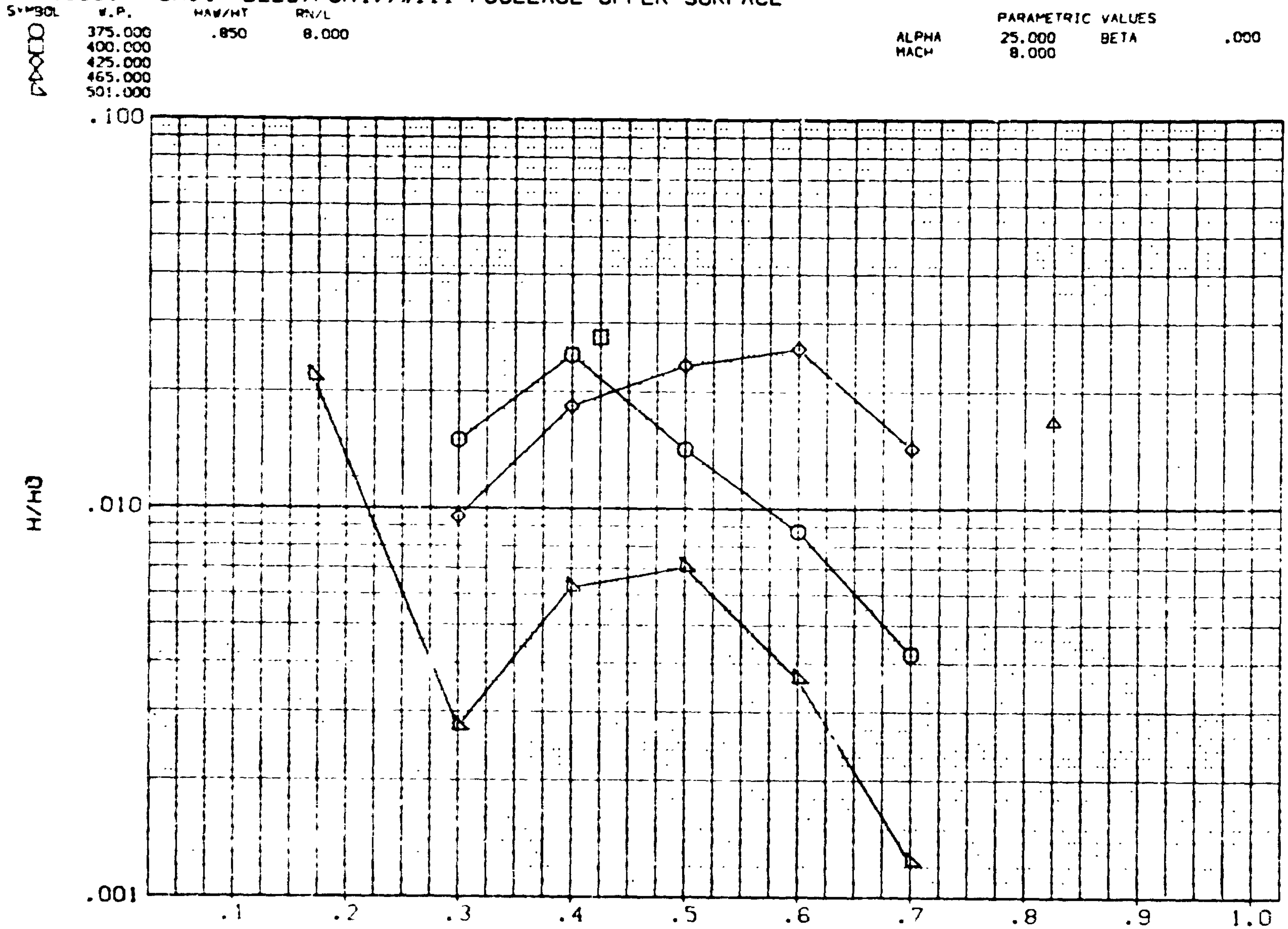
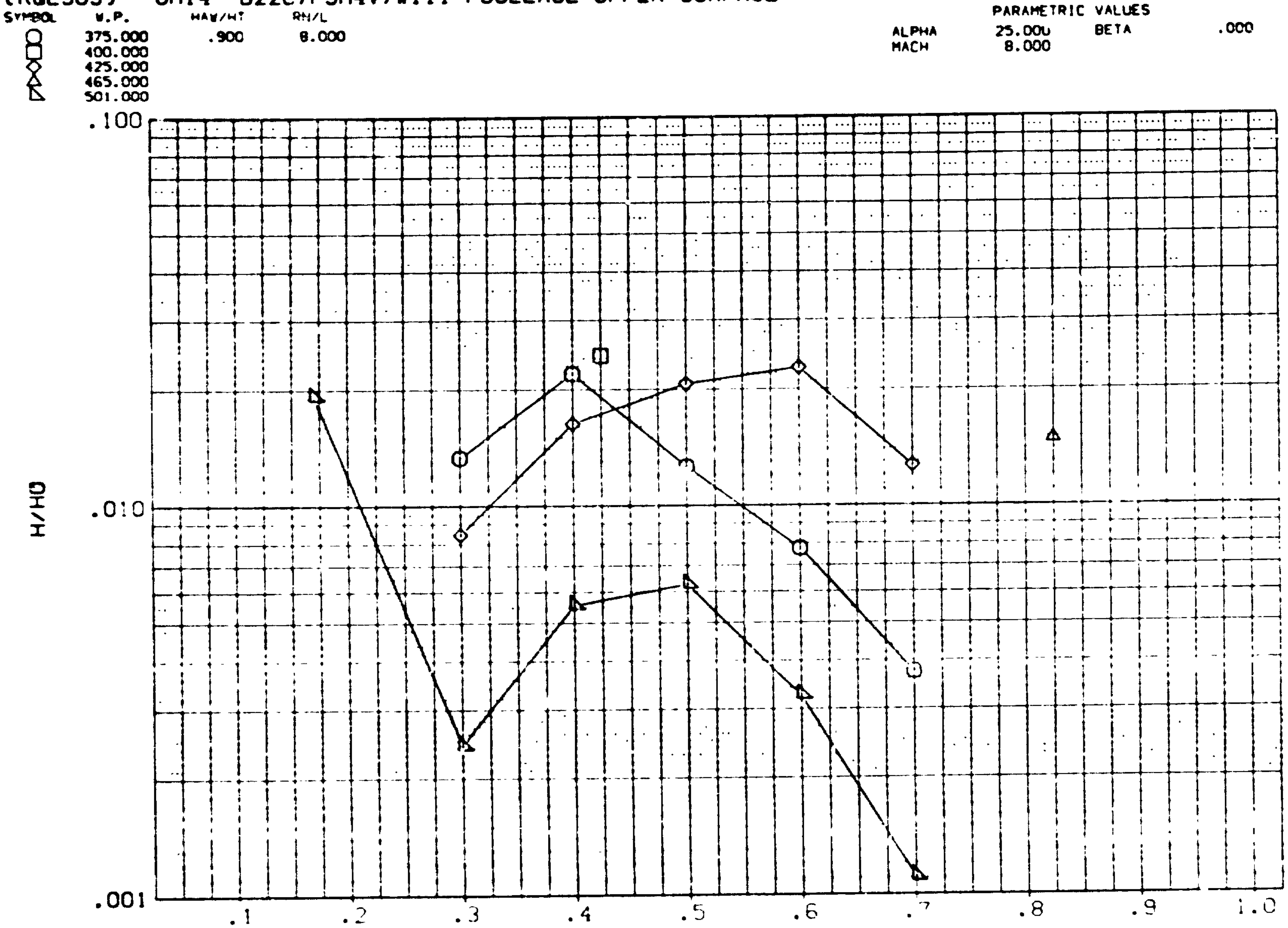


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BOD LENGTH

FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

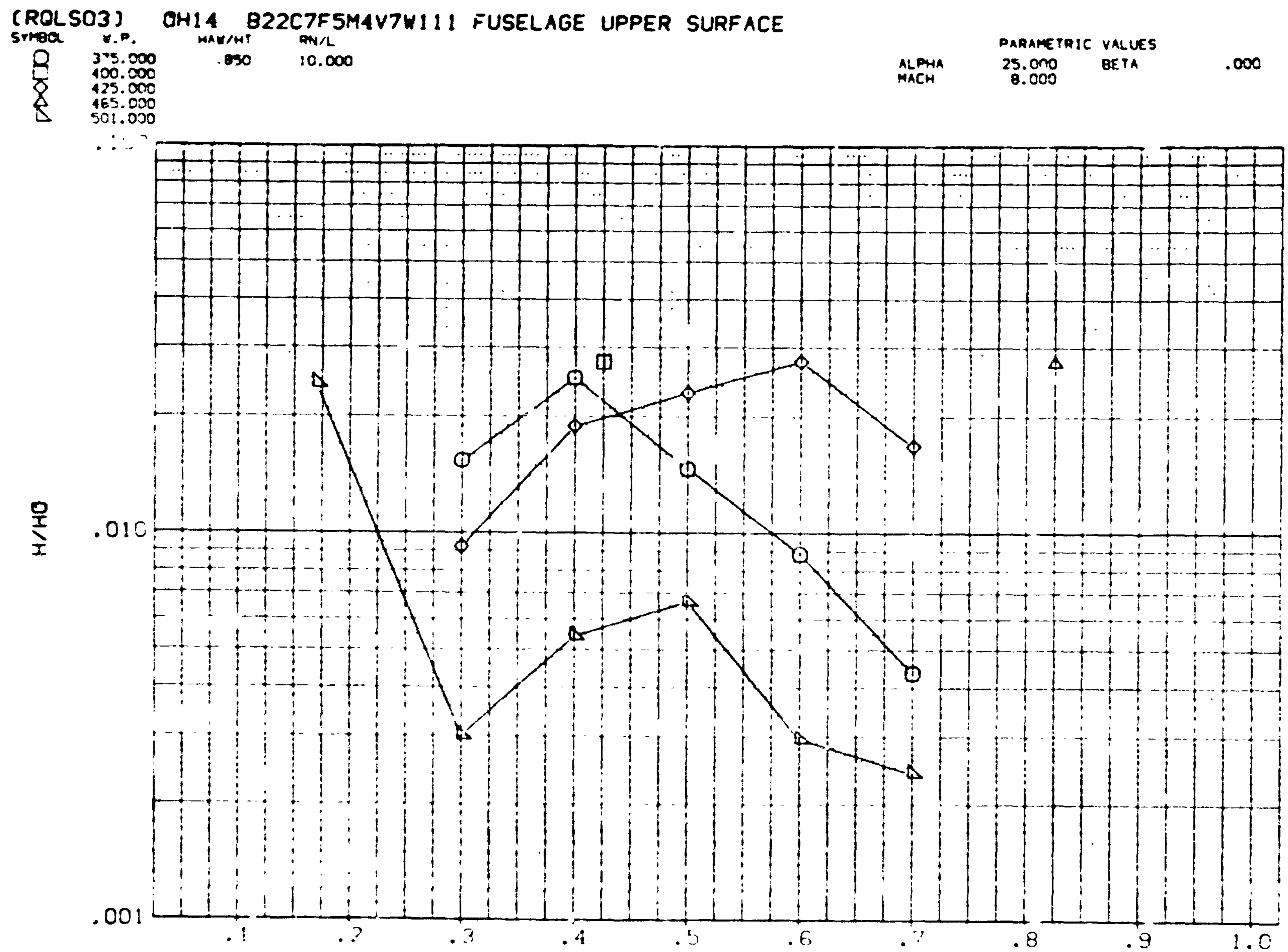


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

C.2

(RQLS03) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	RN/L
○	375.000	.900	10.000
□	400.000		
◇	425.000		
△	465.000		
◺	501.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

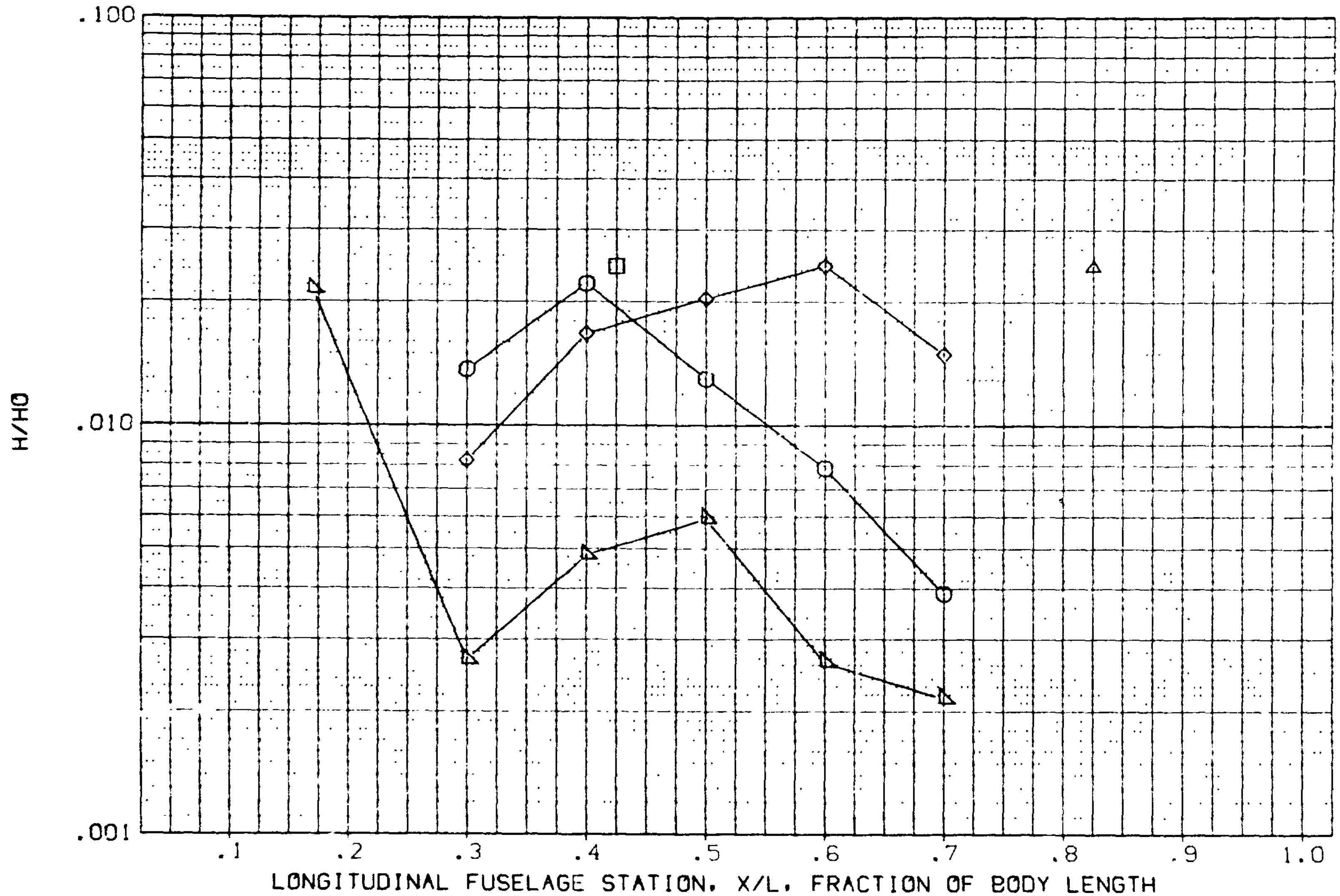


FIG 9 FUSELAGE UPPER SURFACE DISTRIBUTION AT 25 DEG. ANGLE OF ATTACK

(RCLC04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

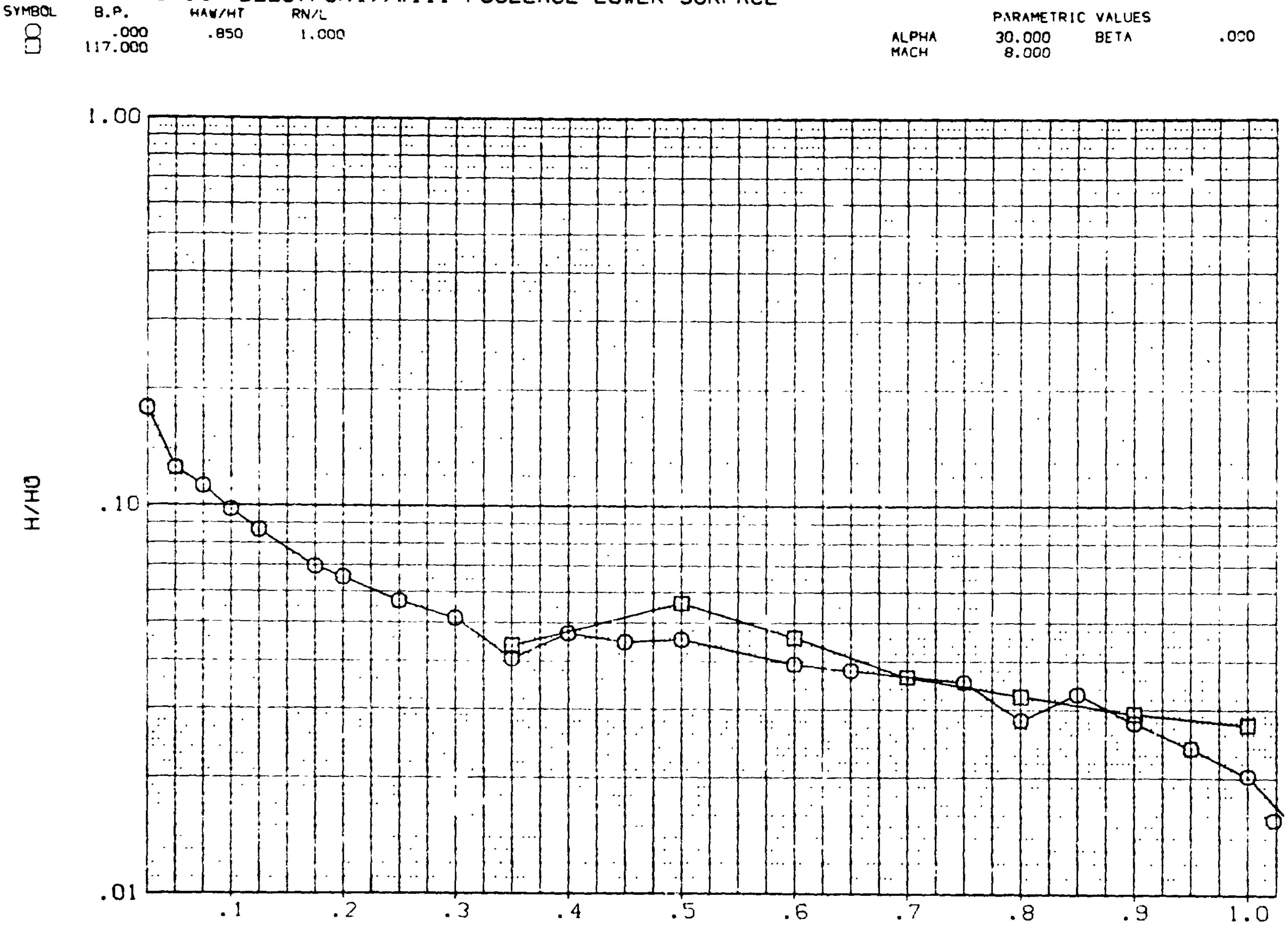


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

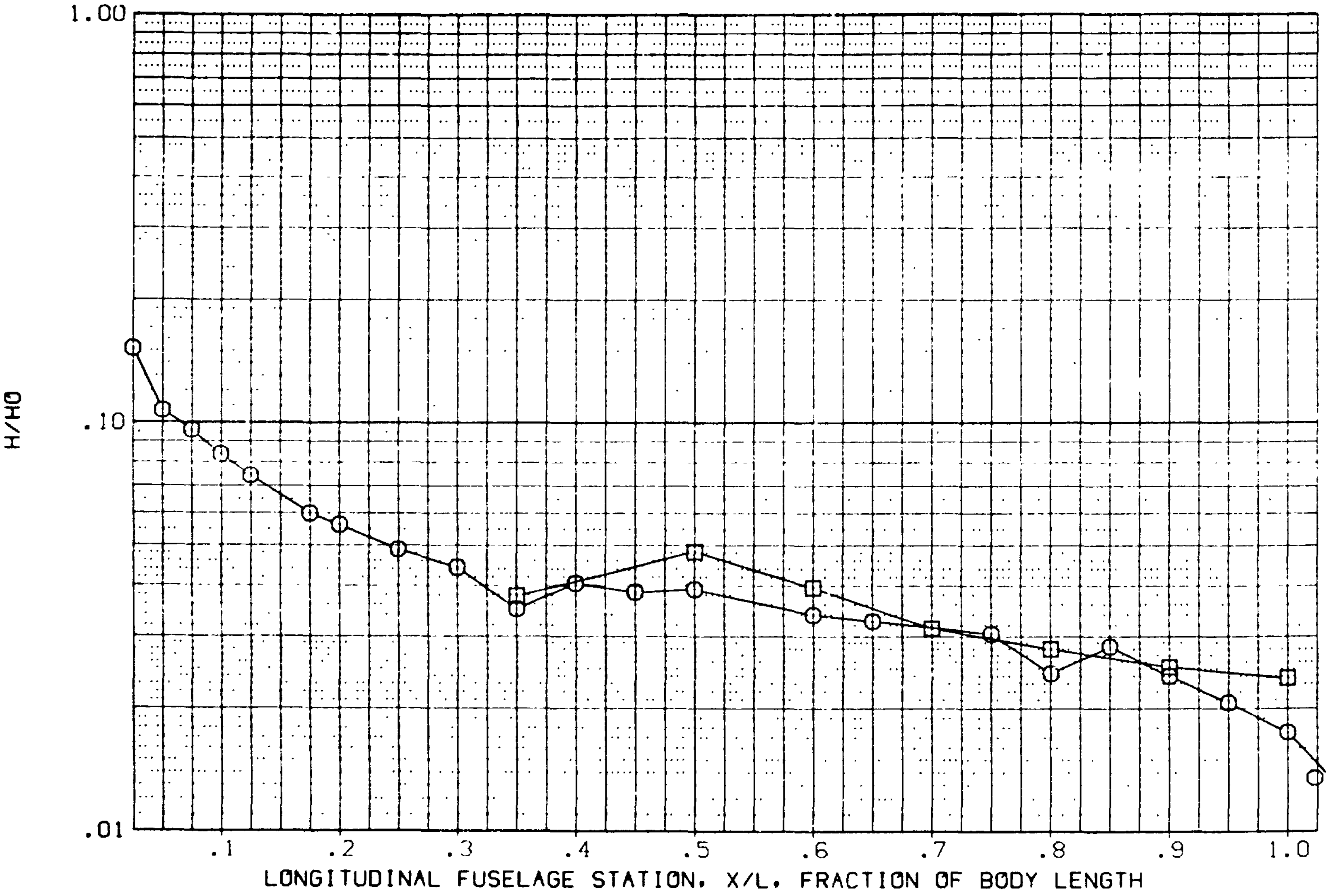


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

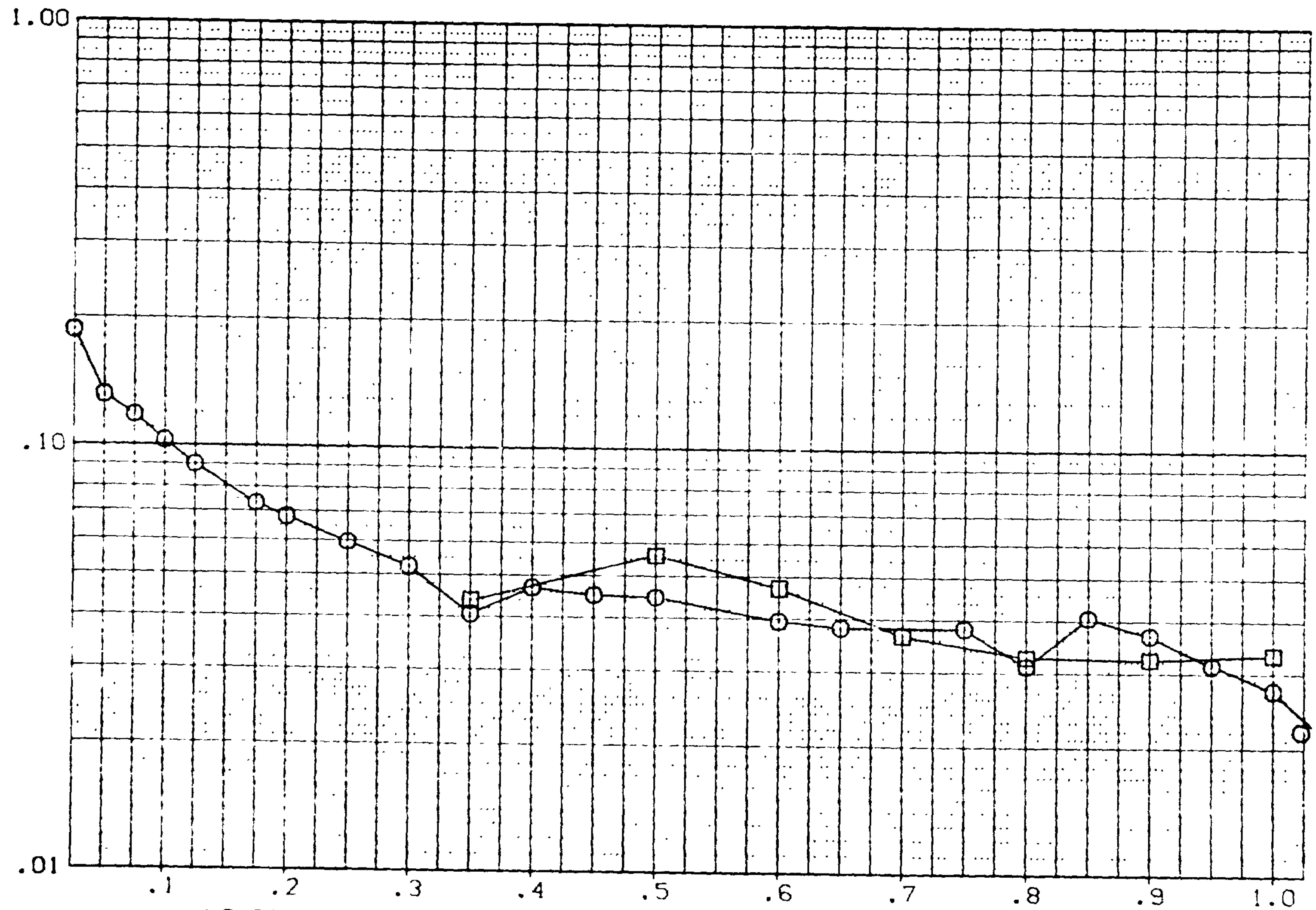


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

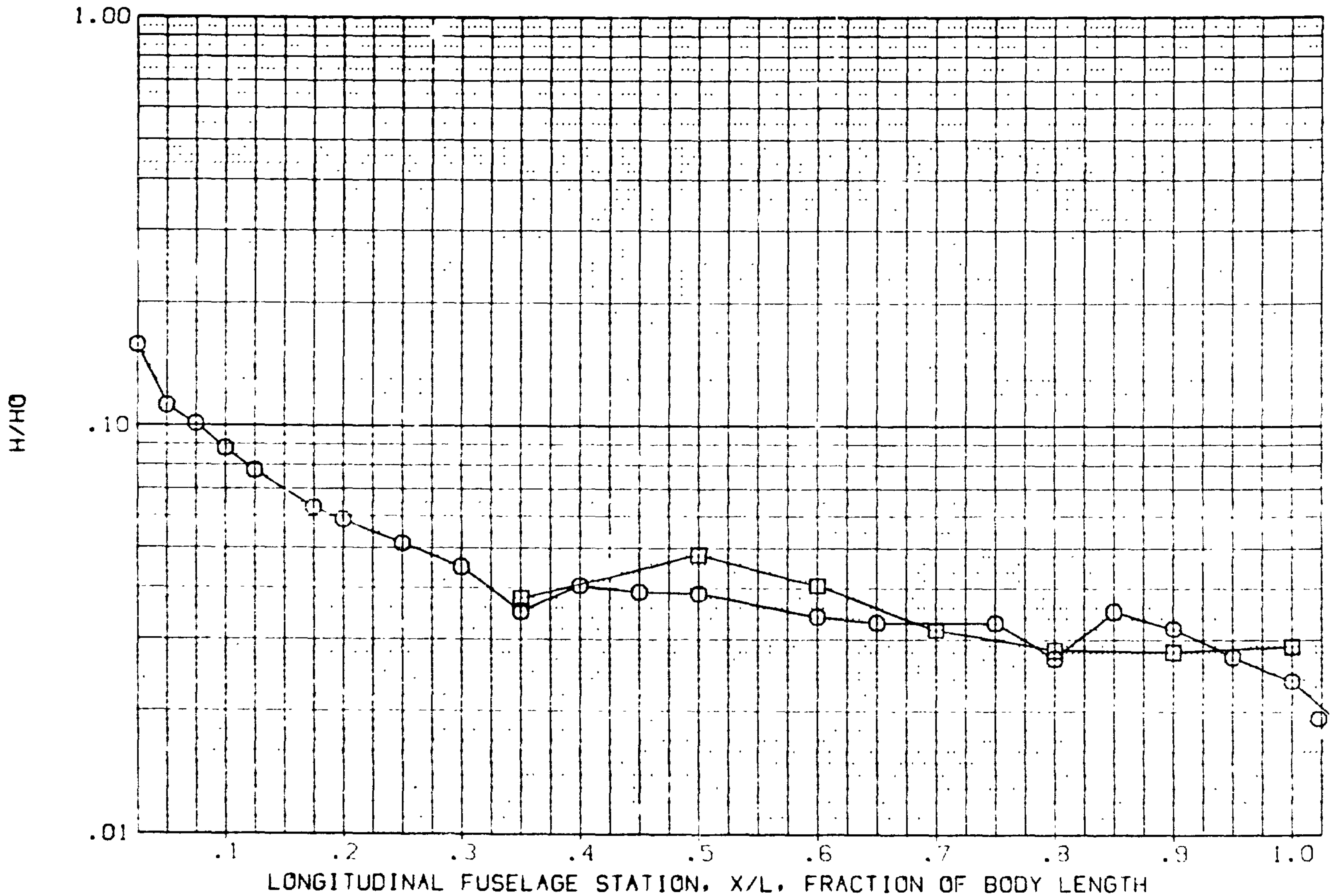


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

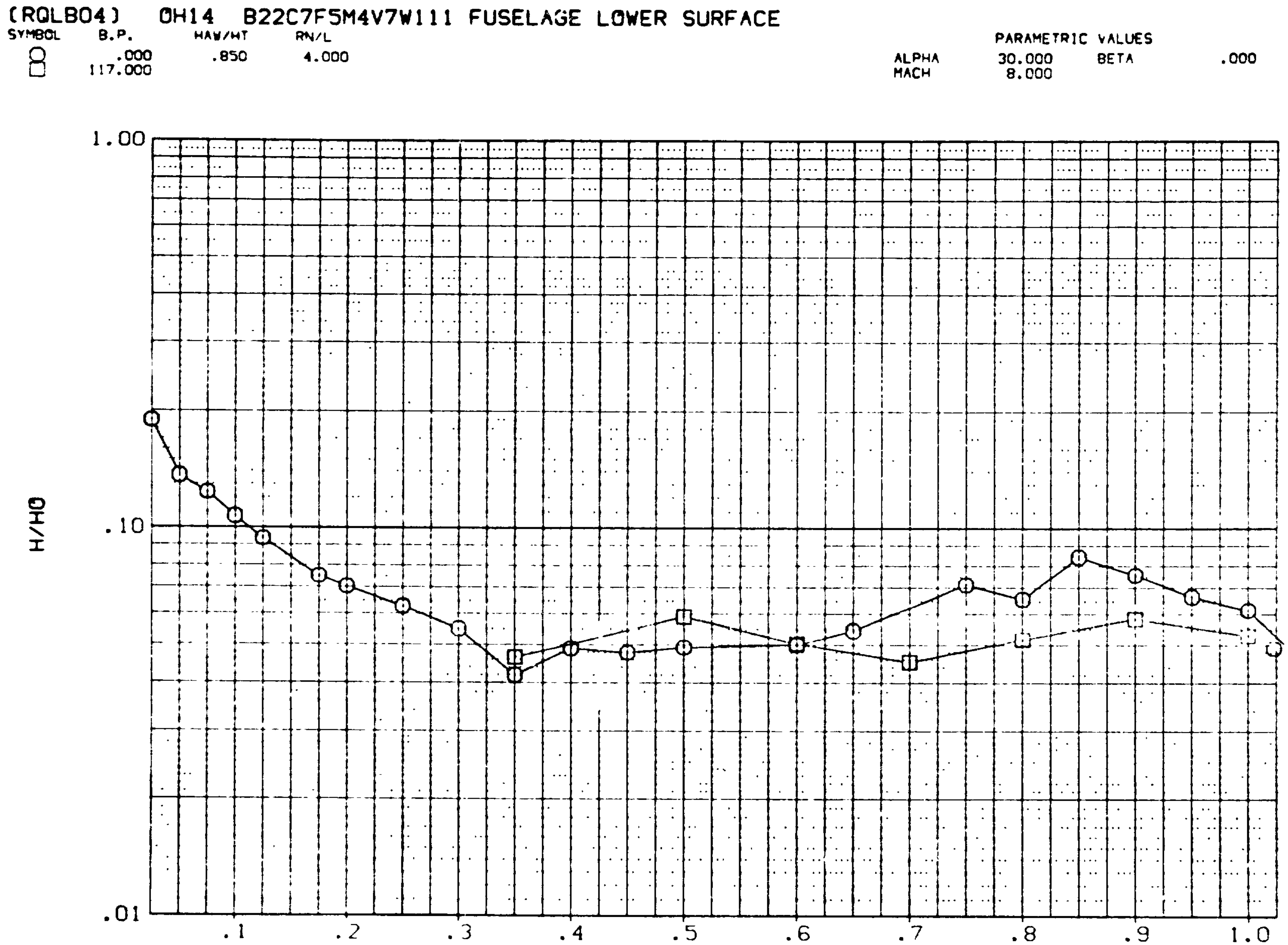


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	4.000
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

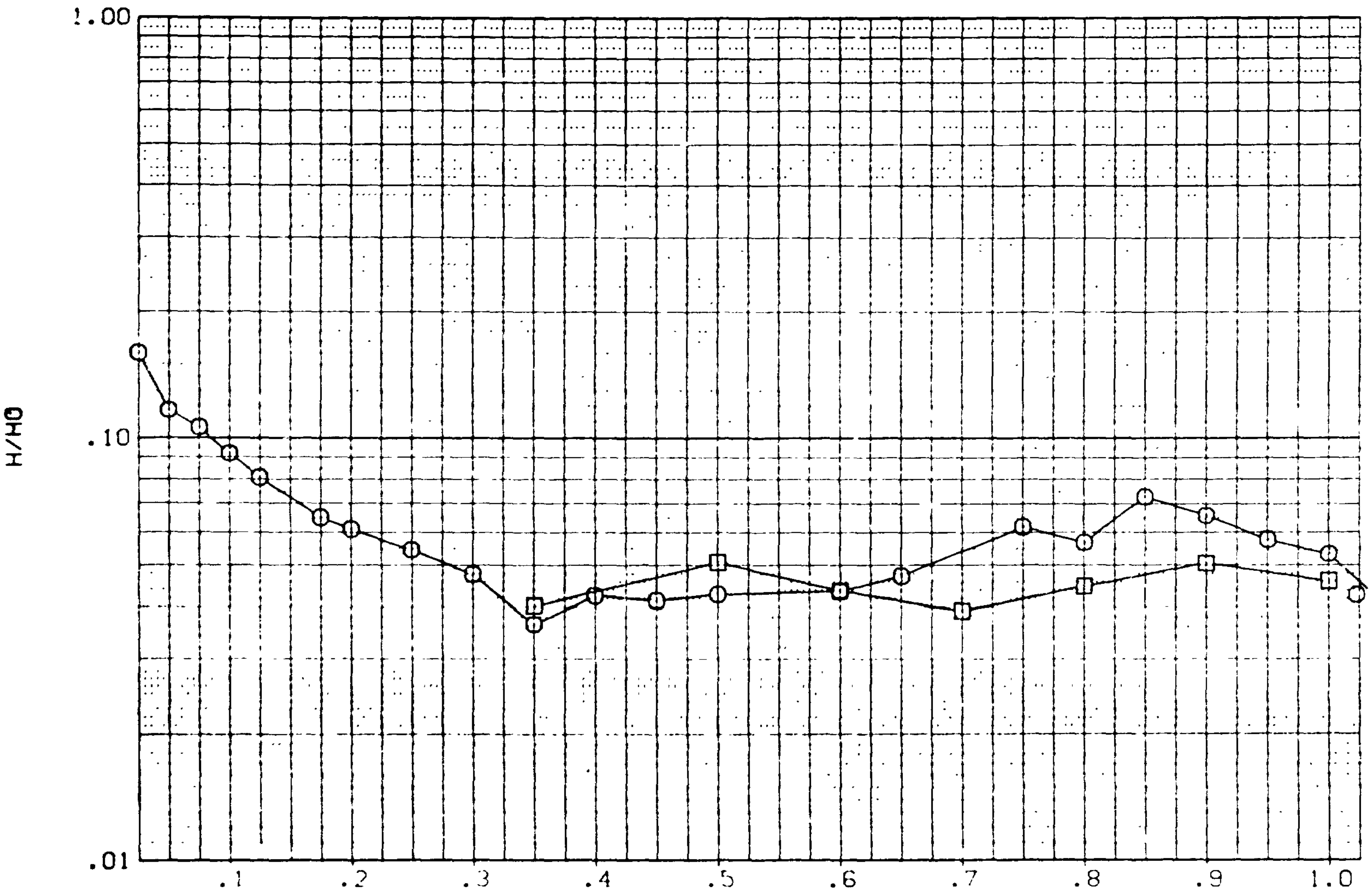


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

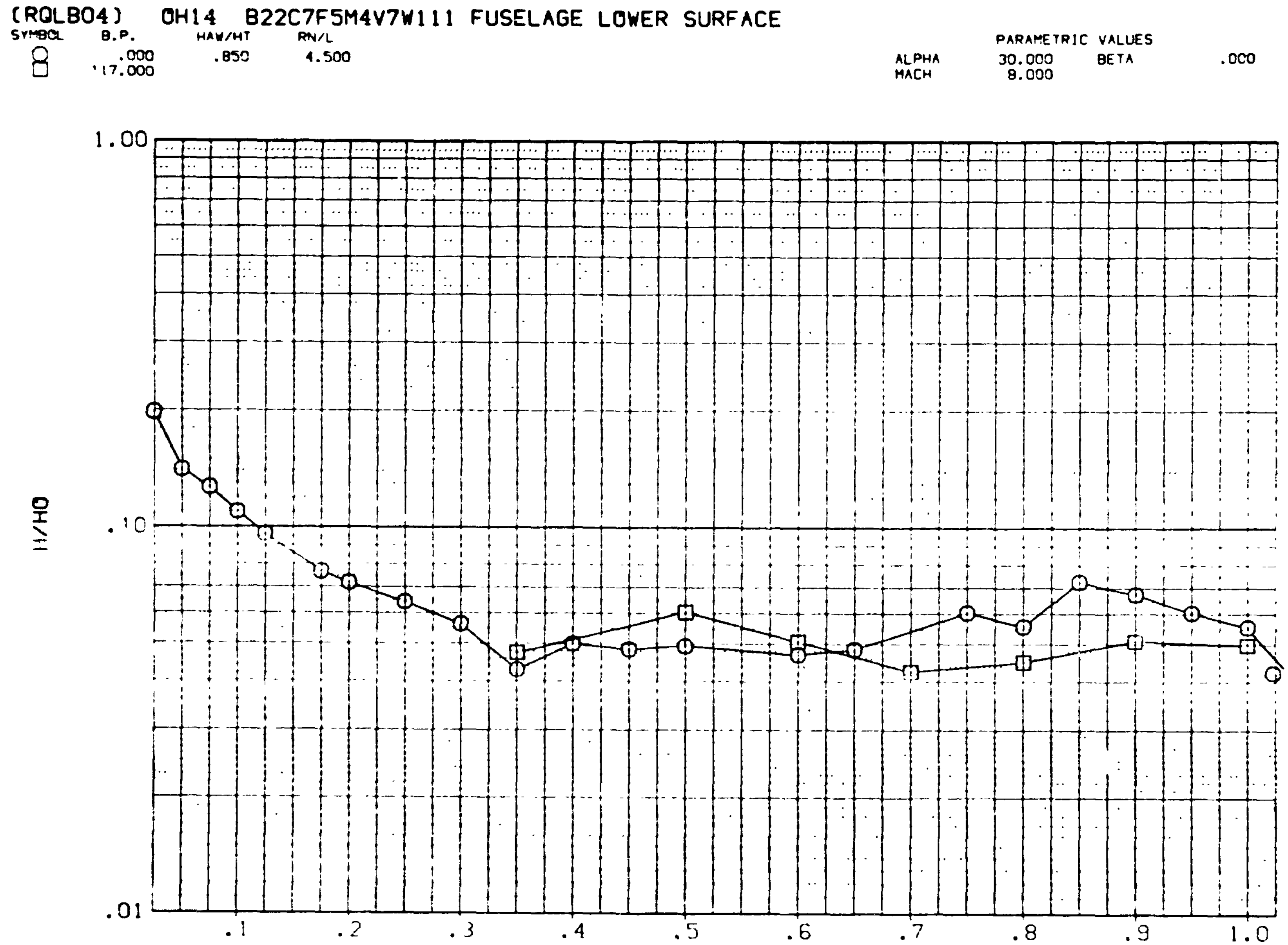


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	4.500
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

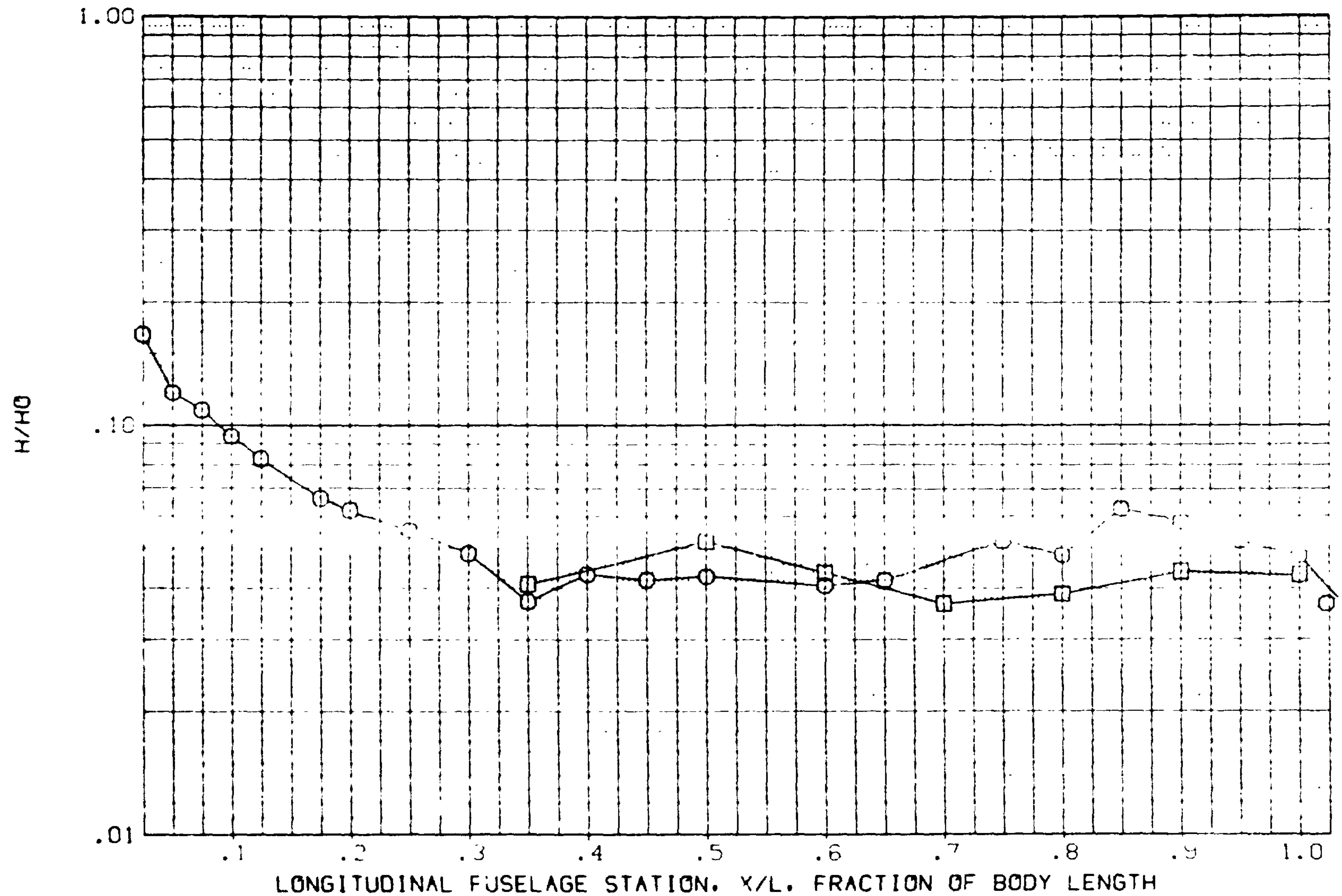


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

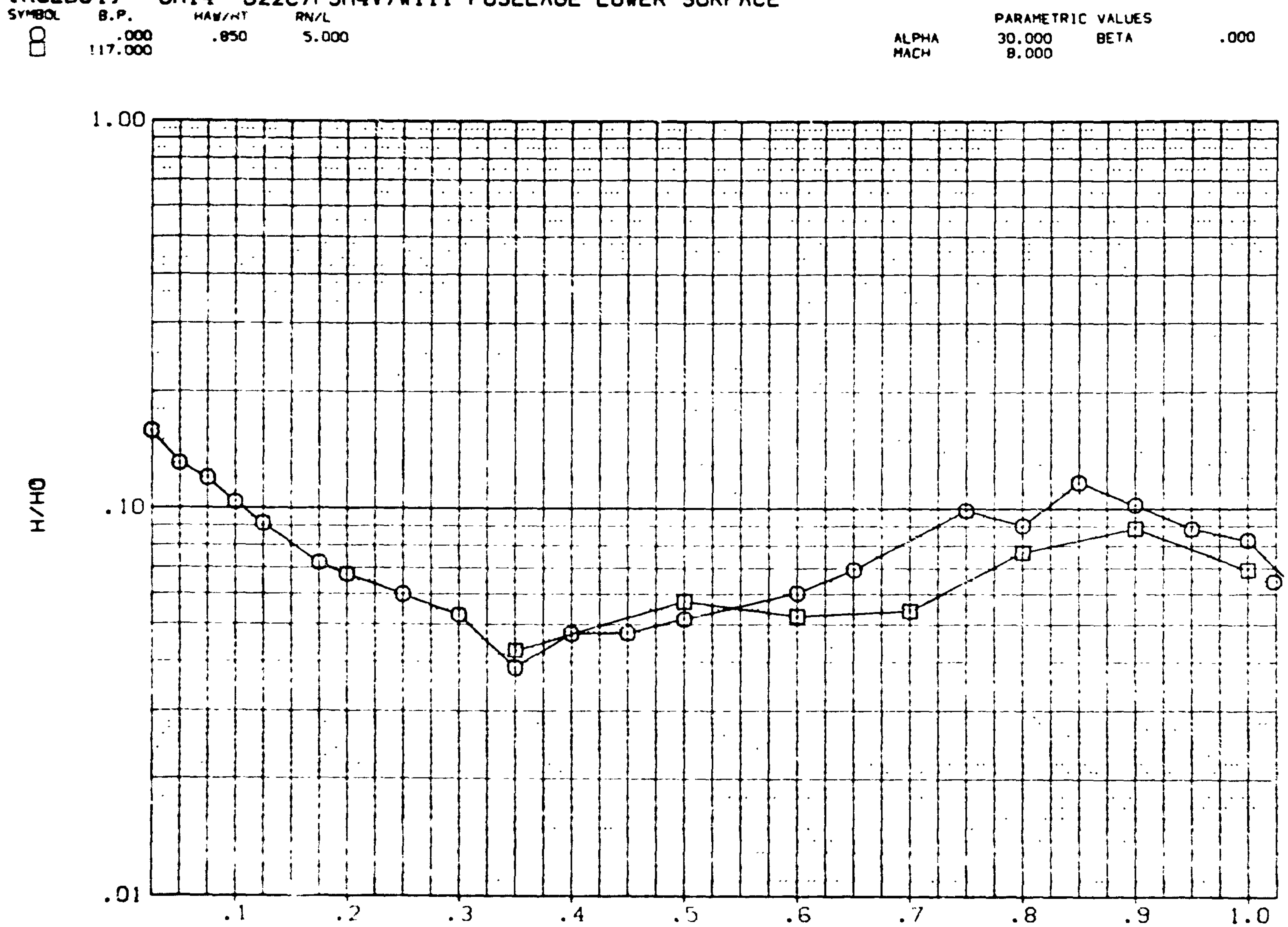


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	5.000
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

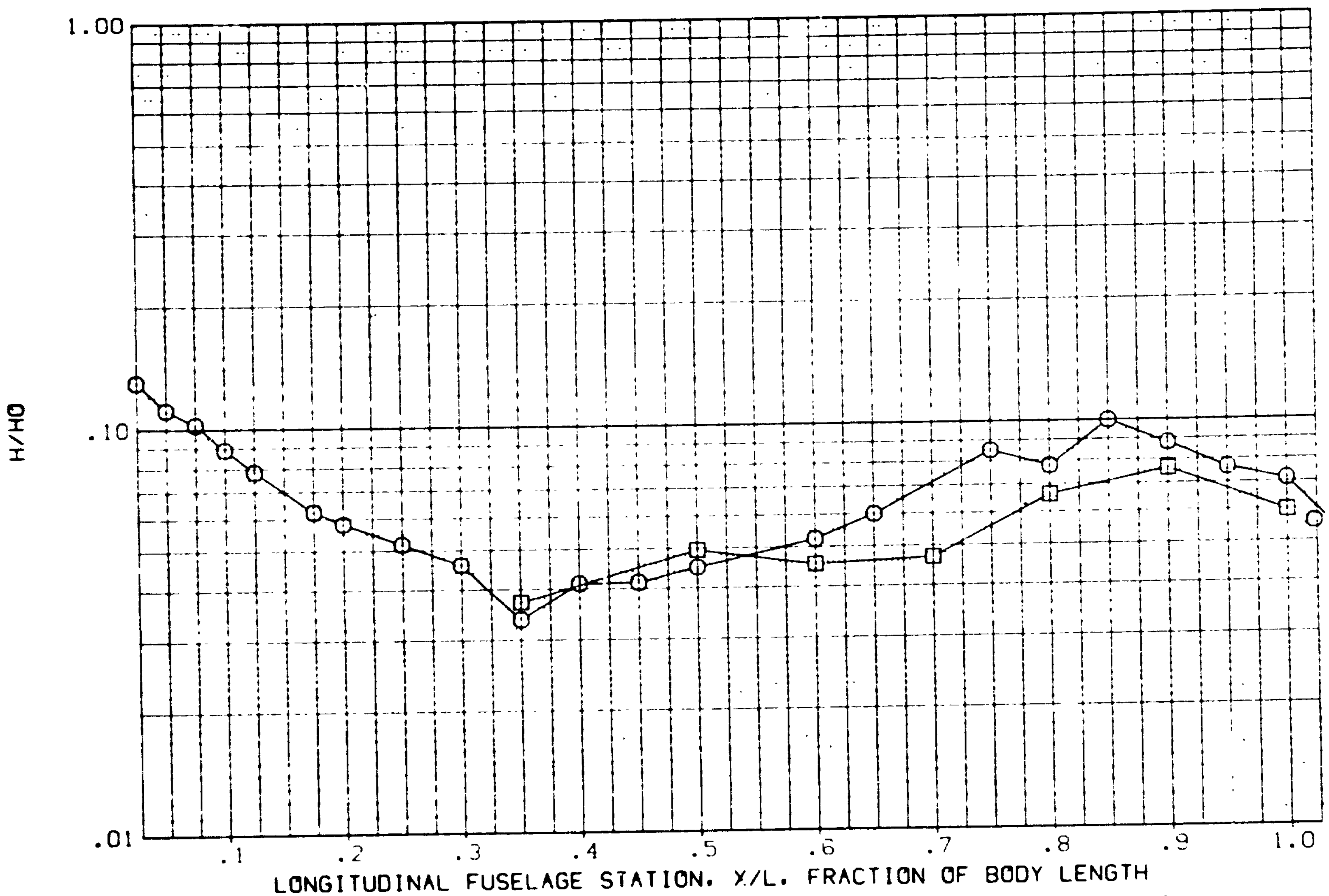


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

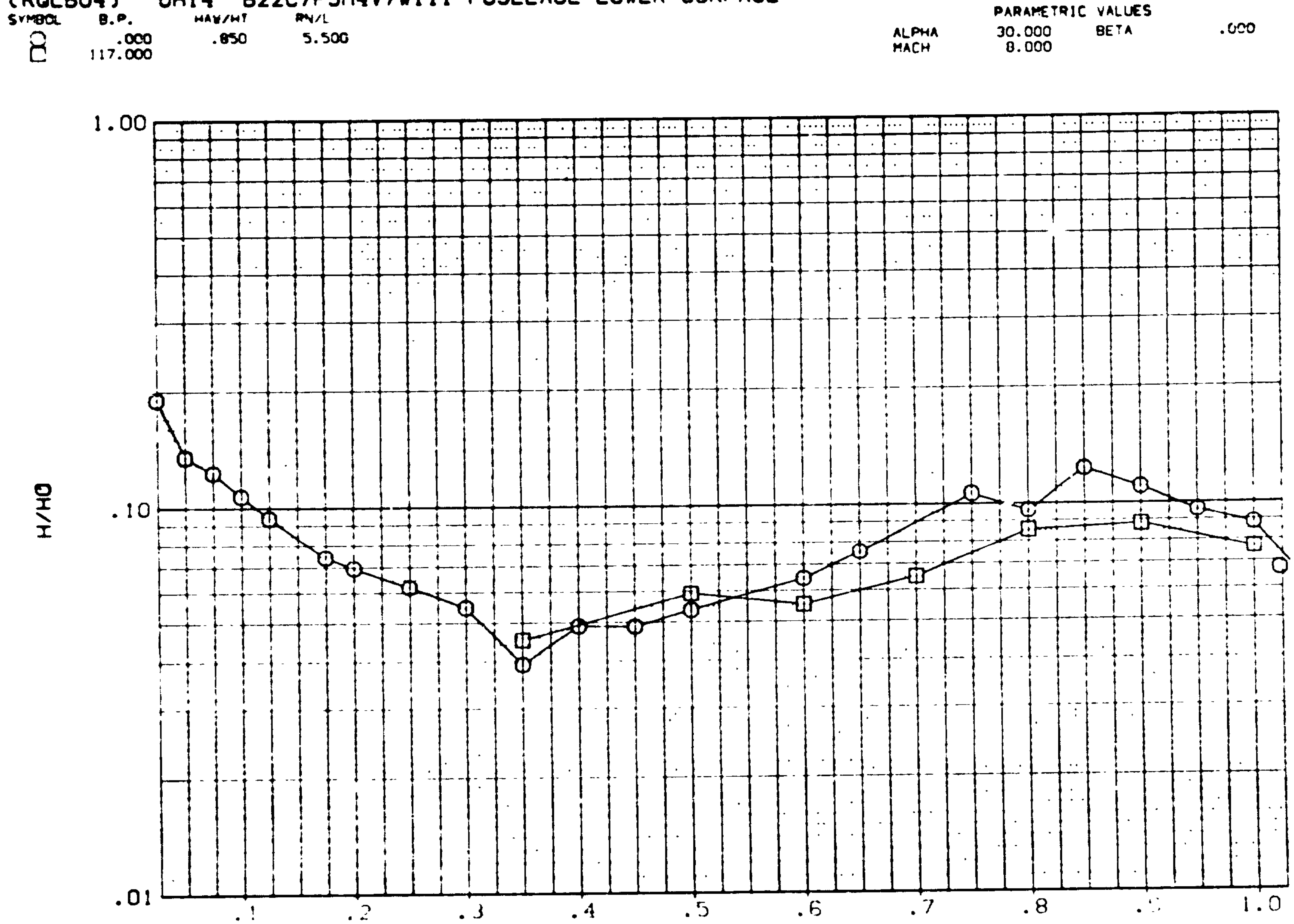


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	5.500
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

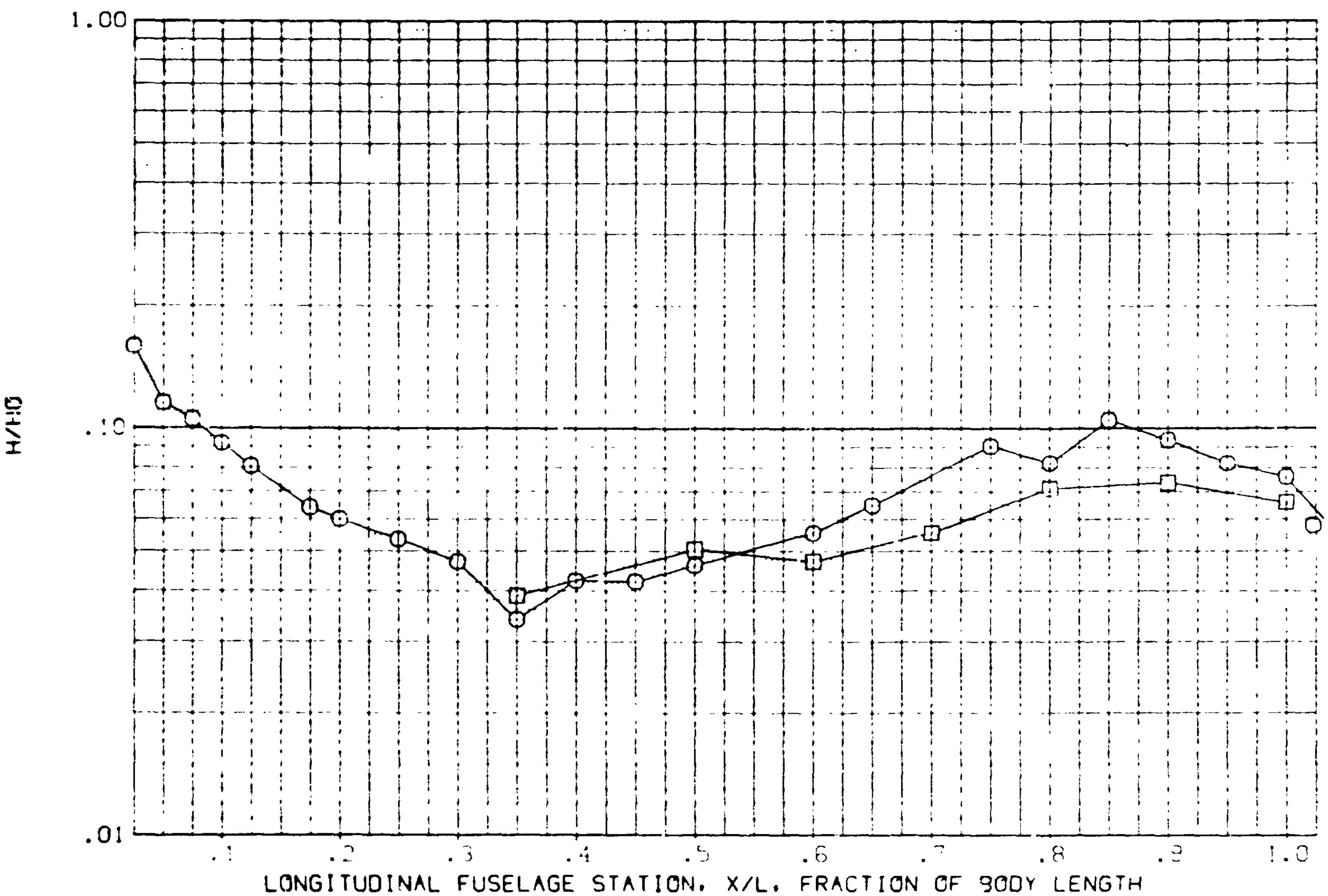


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	6.000
□	117.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

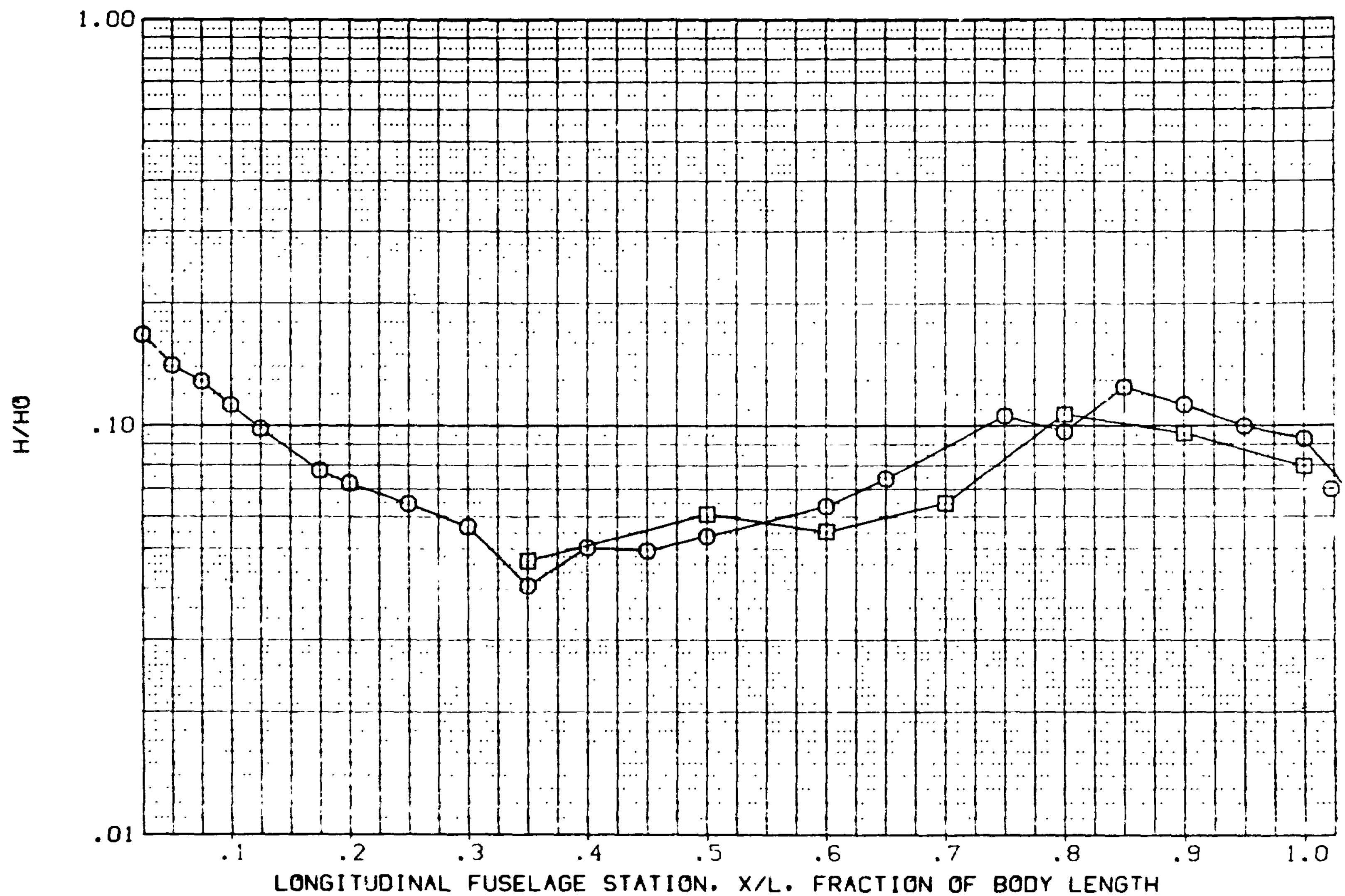


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	6.000
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

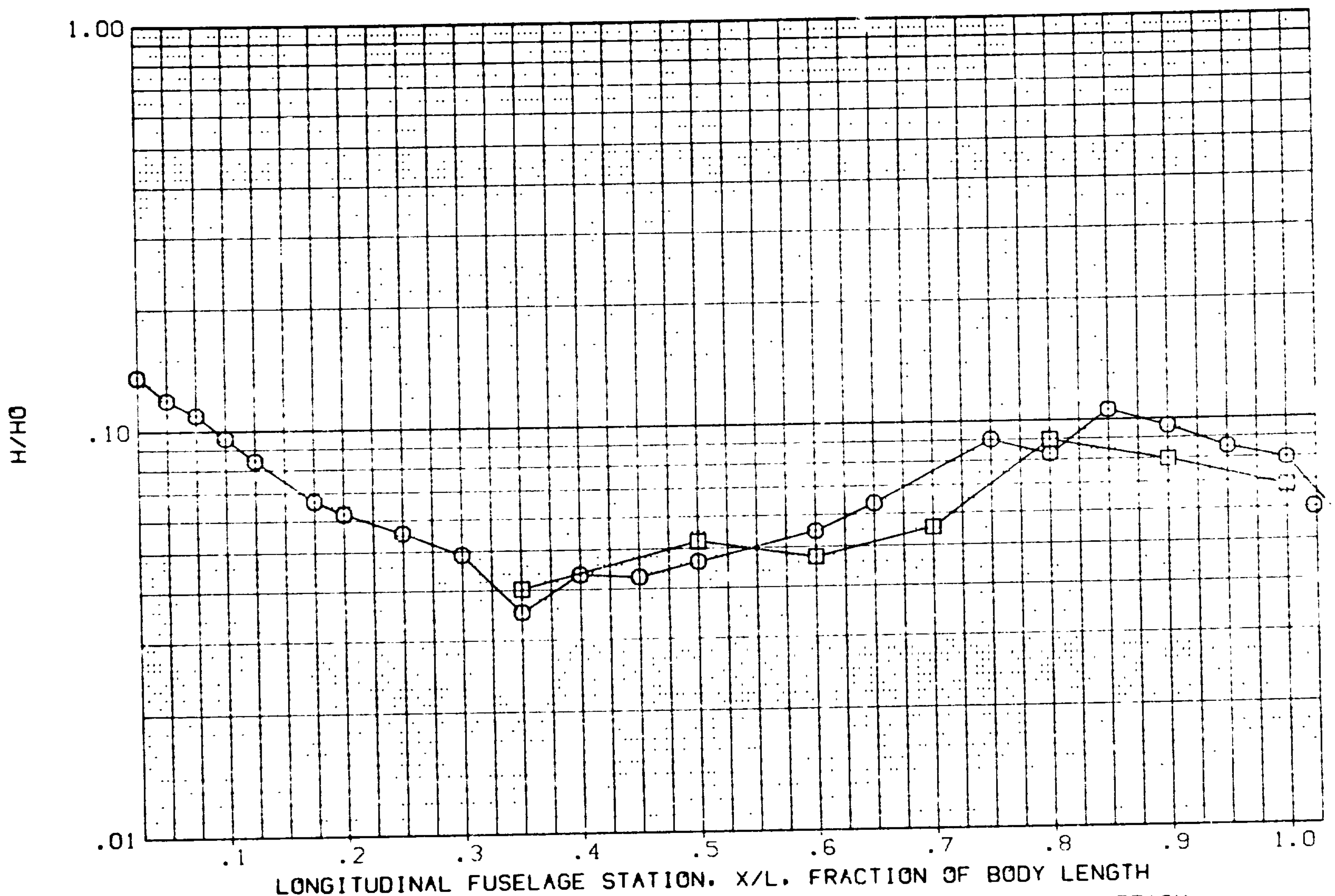


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	8.000
□	117.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

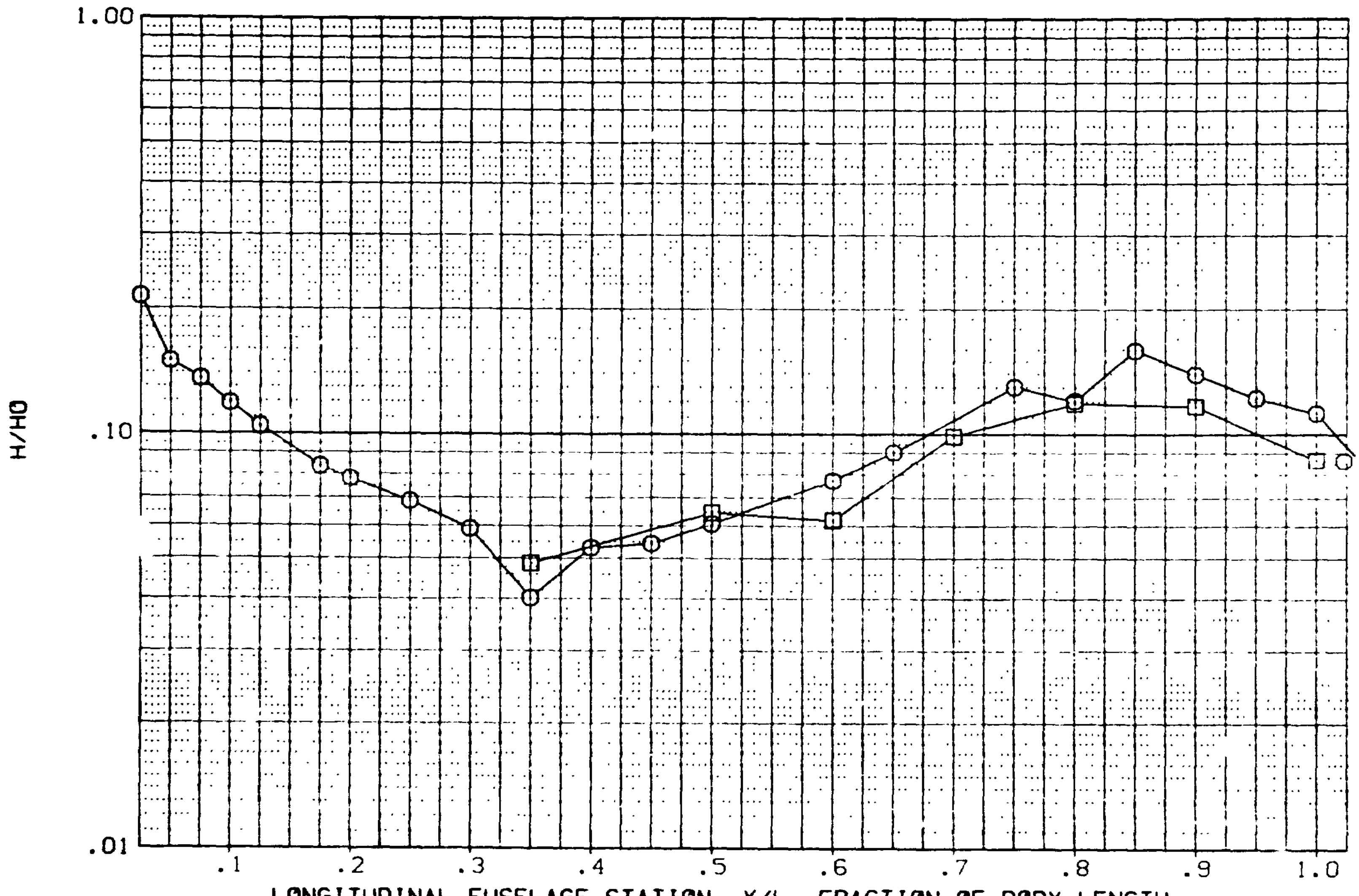


FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	8.000
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

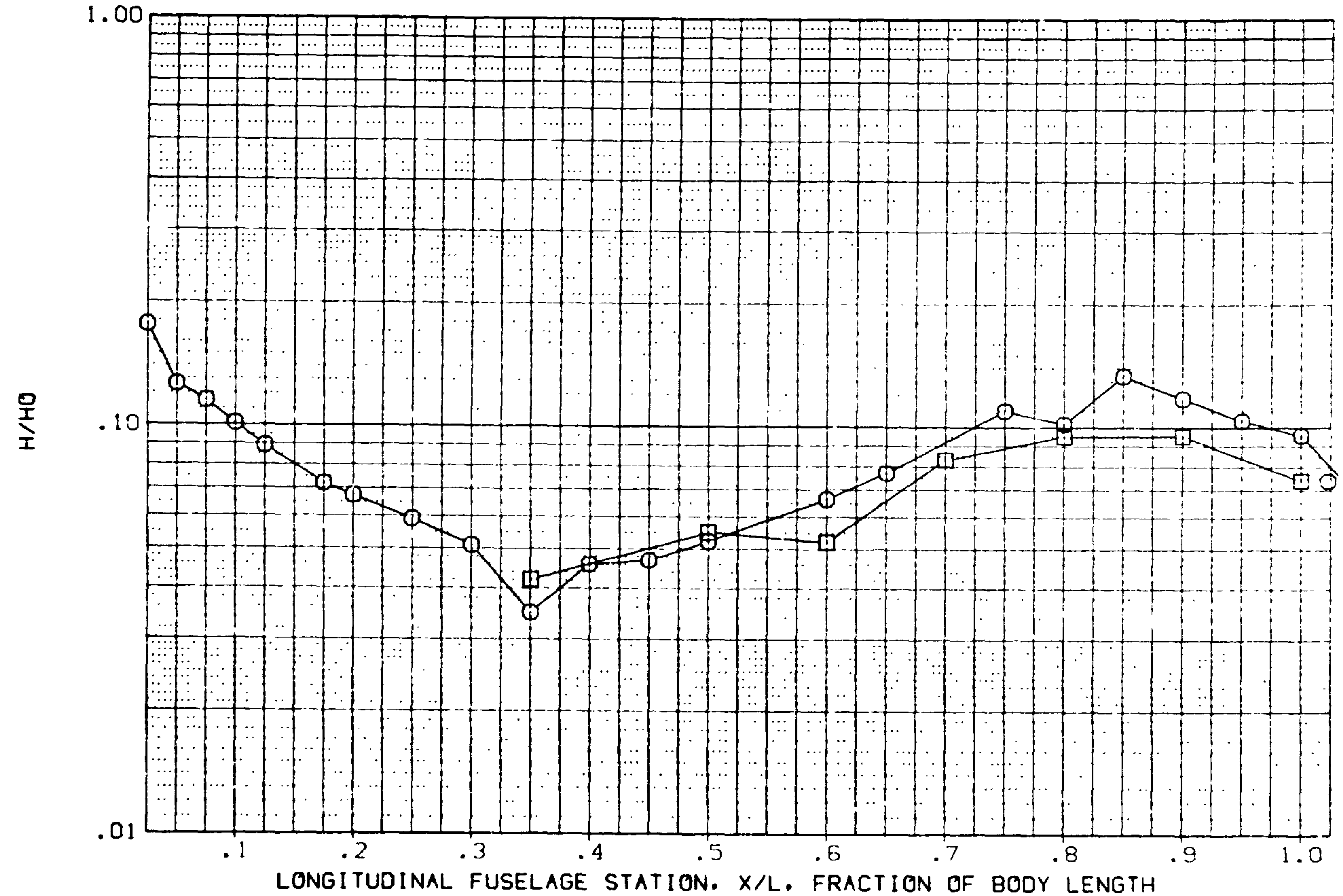


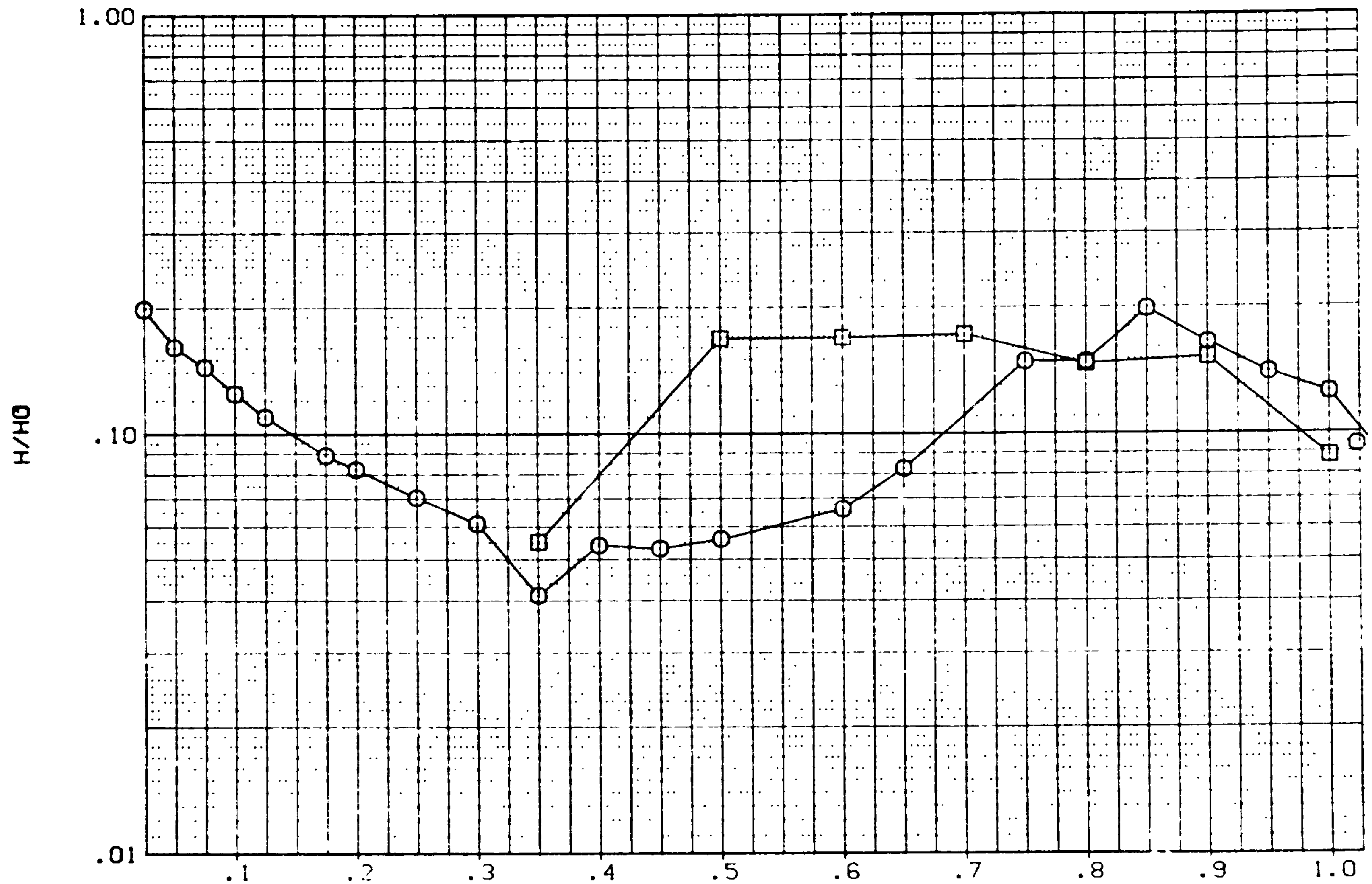
FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	10.000
□	117.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		



LONGITUDINAL FUSELAGE STATION. X/L. FRACTION OF BODY LENGTH

FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	10.000
□	117.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

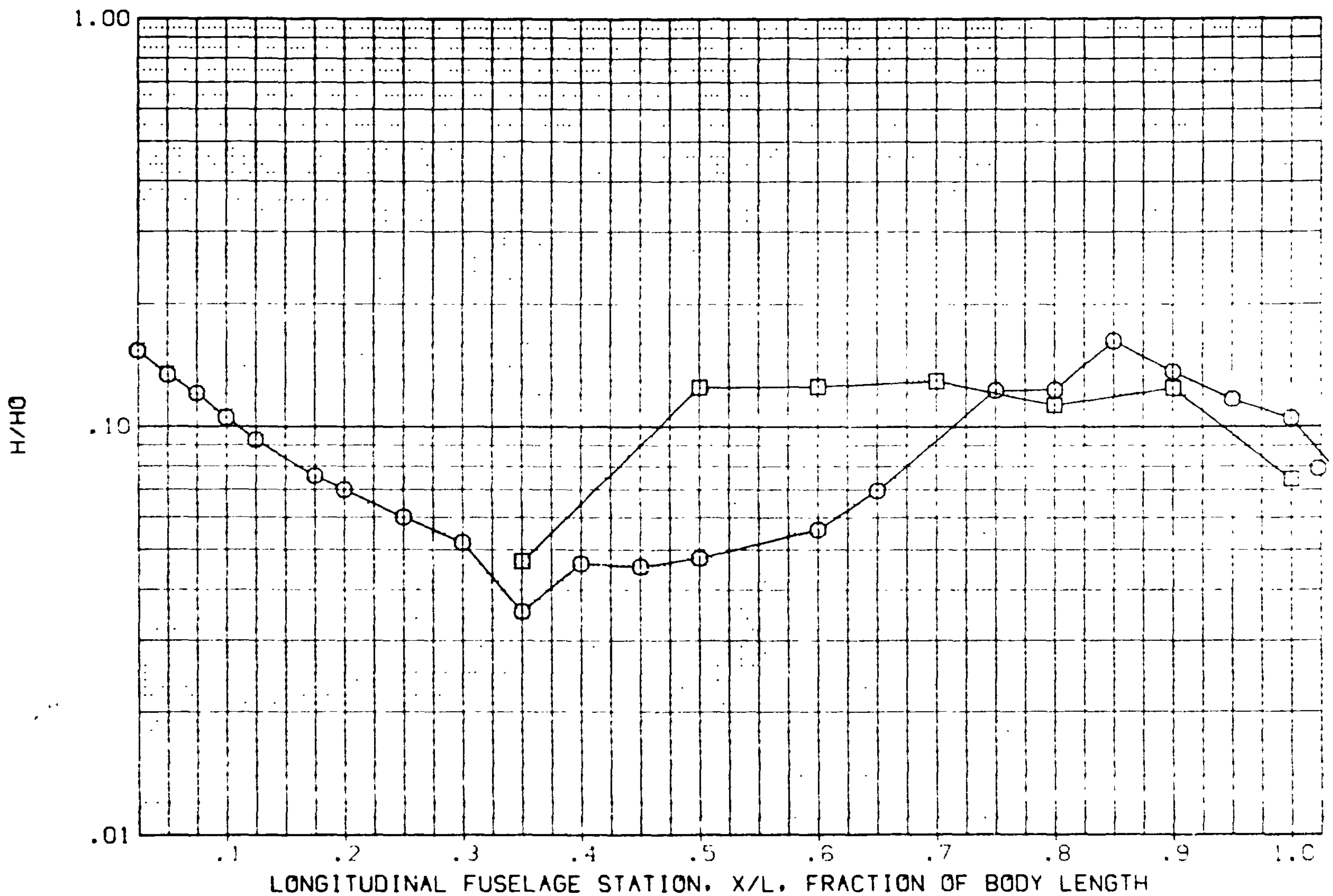


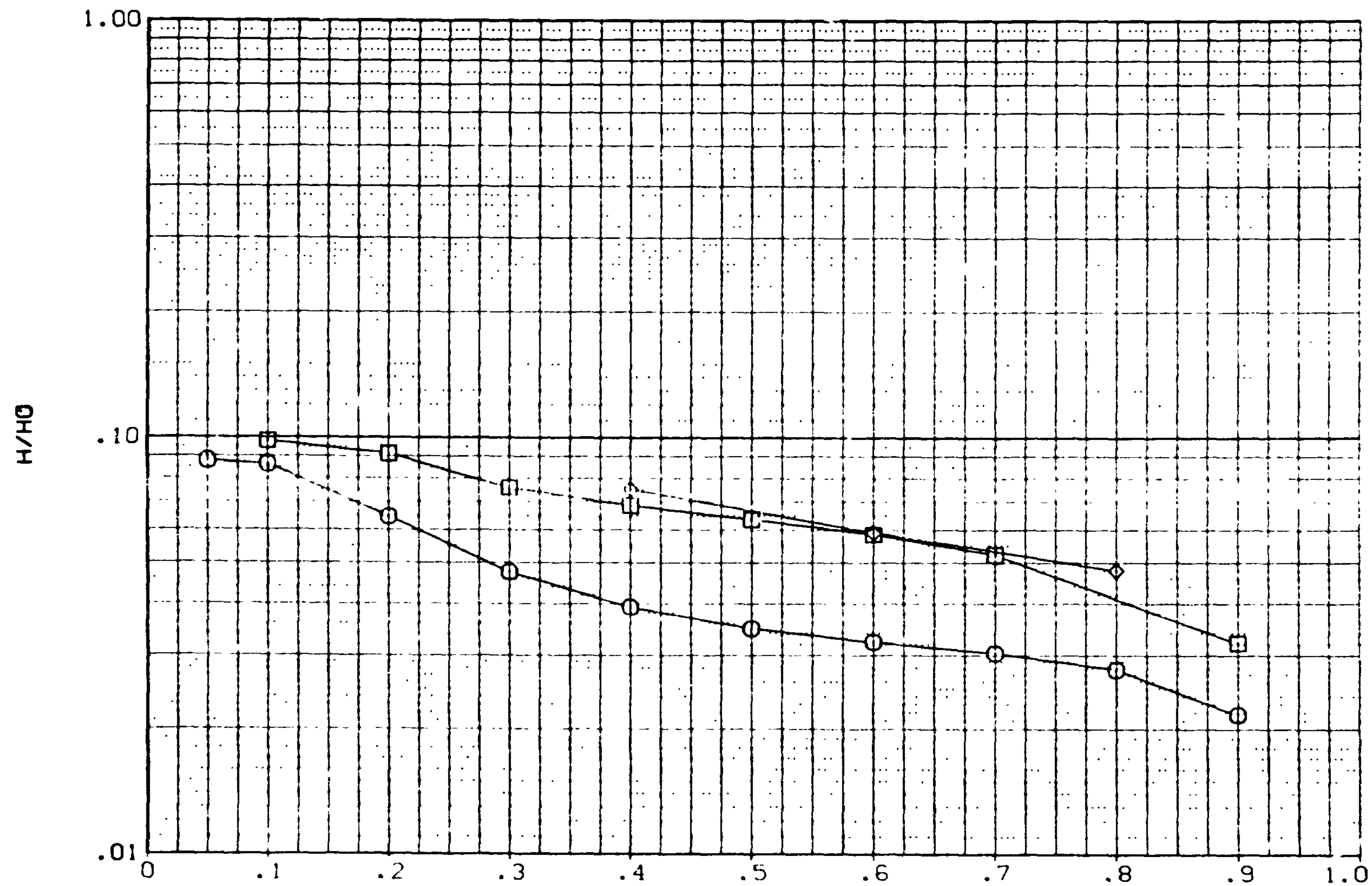
FIG 10 FUSELAGE LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04)   OH14   B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	1.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 11   WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

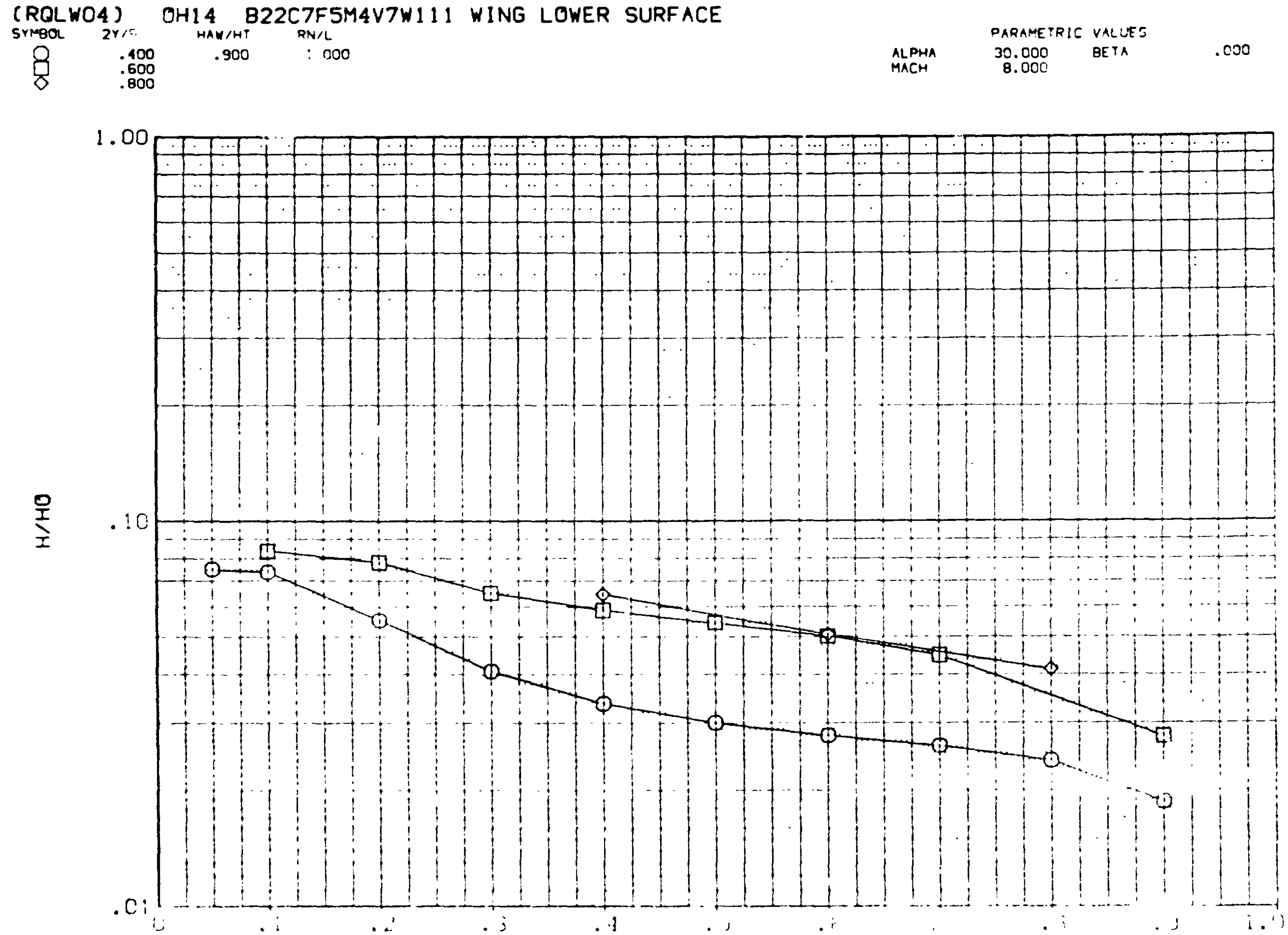


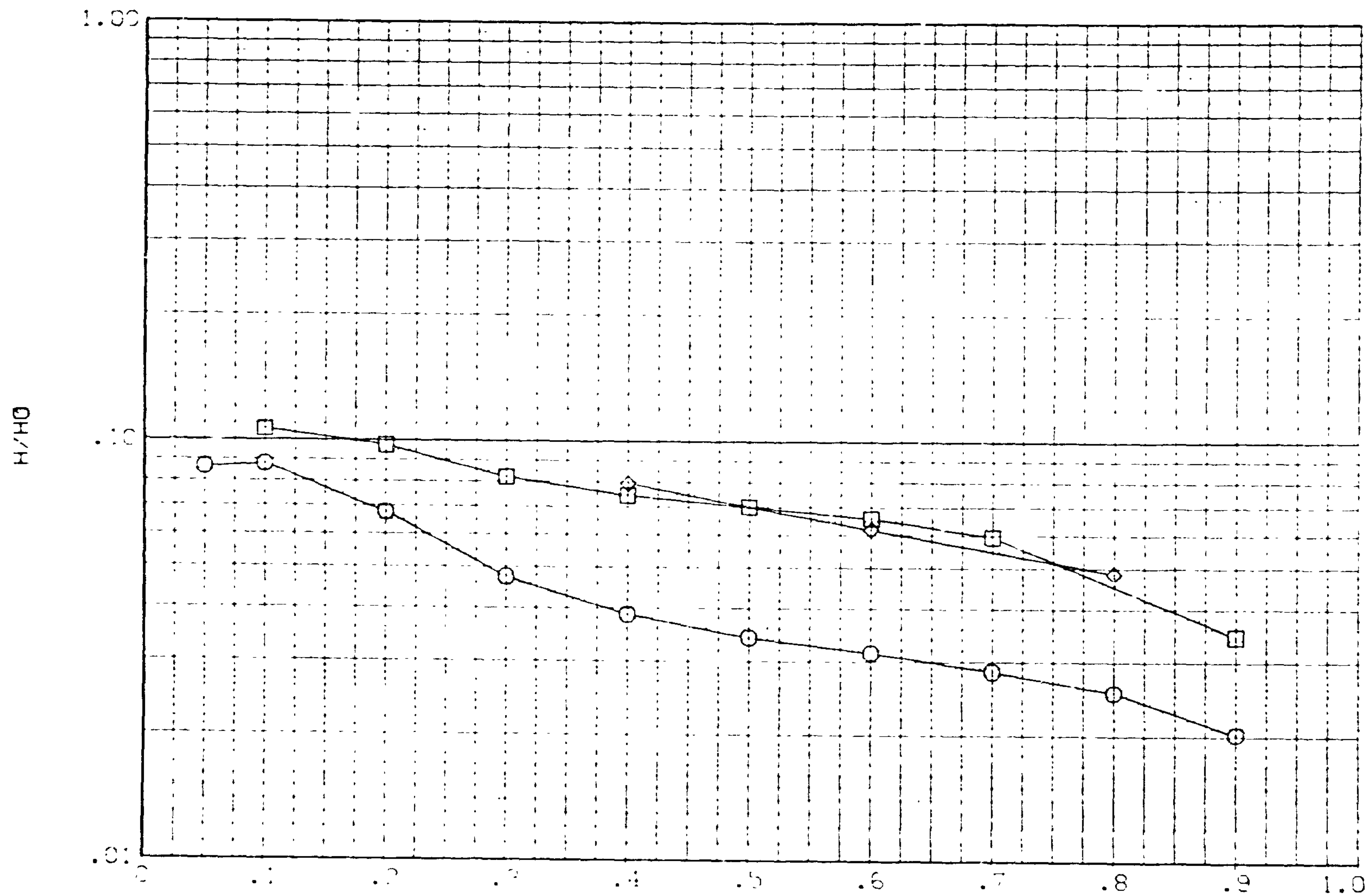
FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.650	3.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	3.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

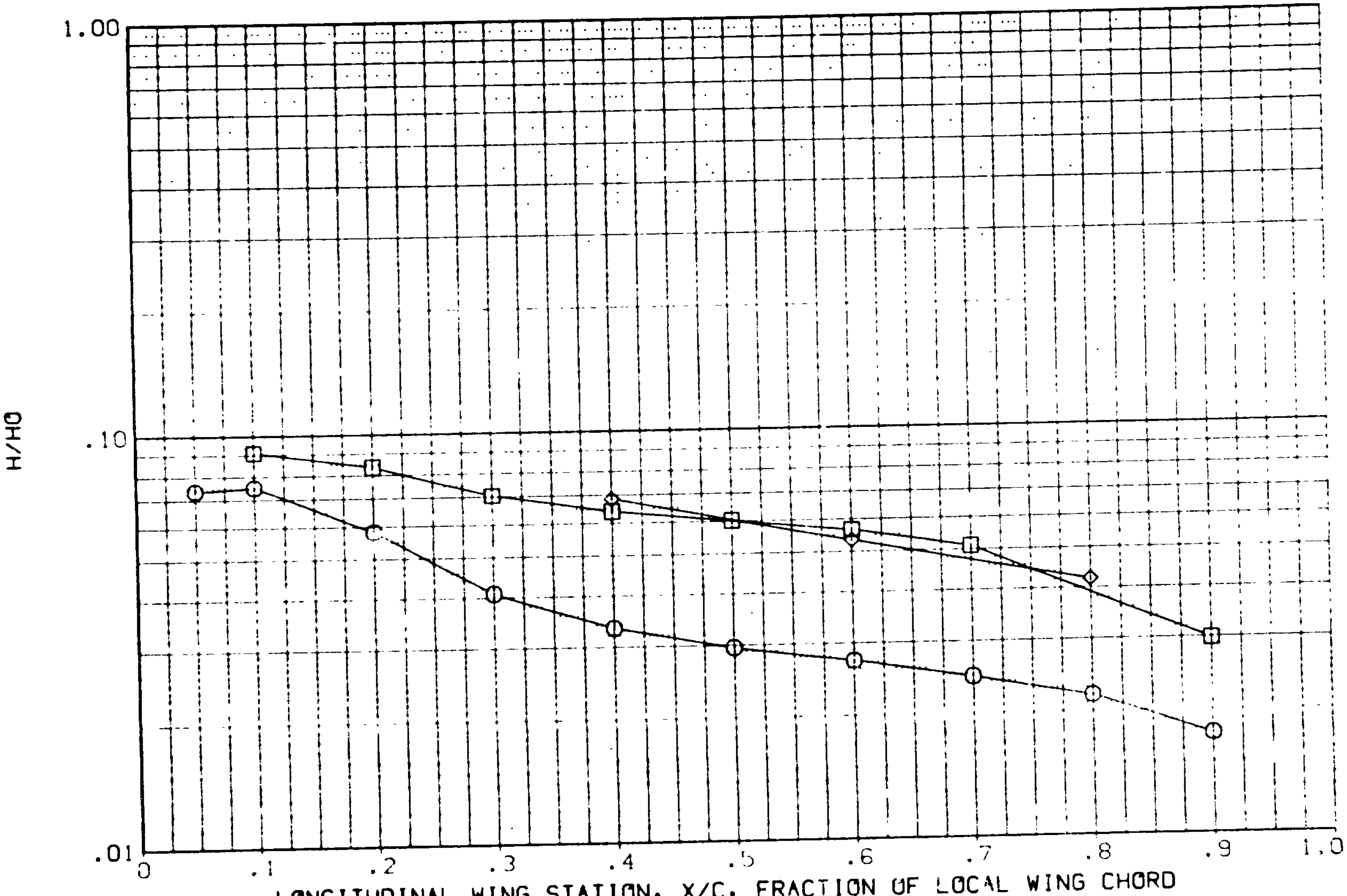


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

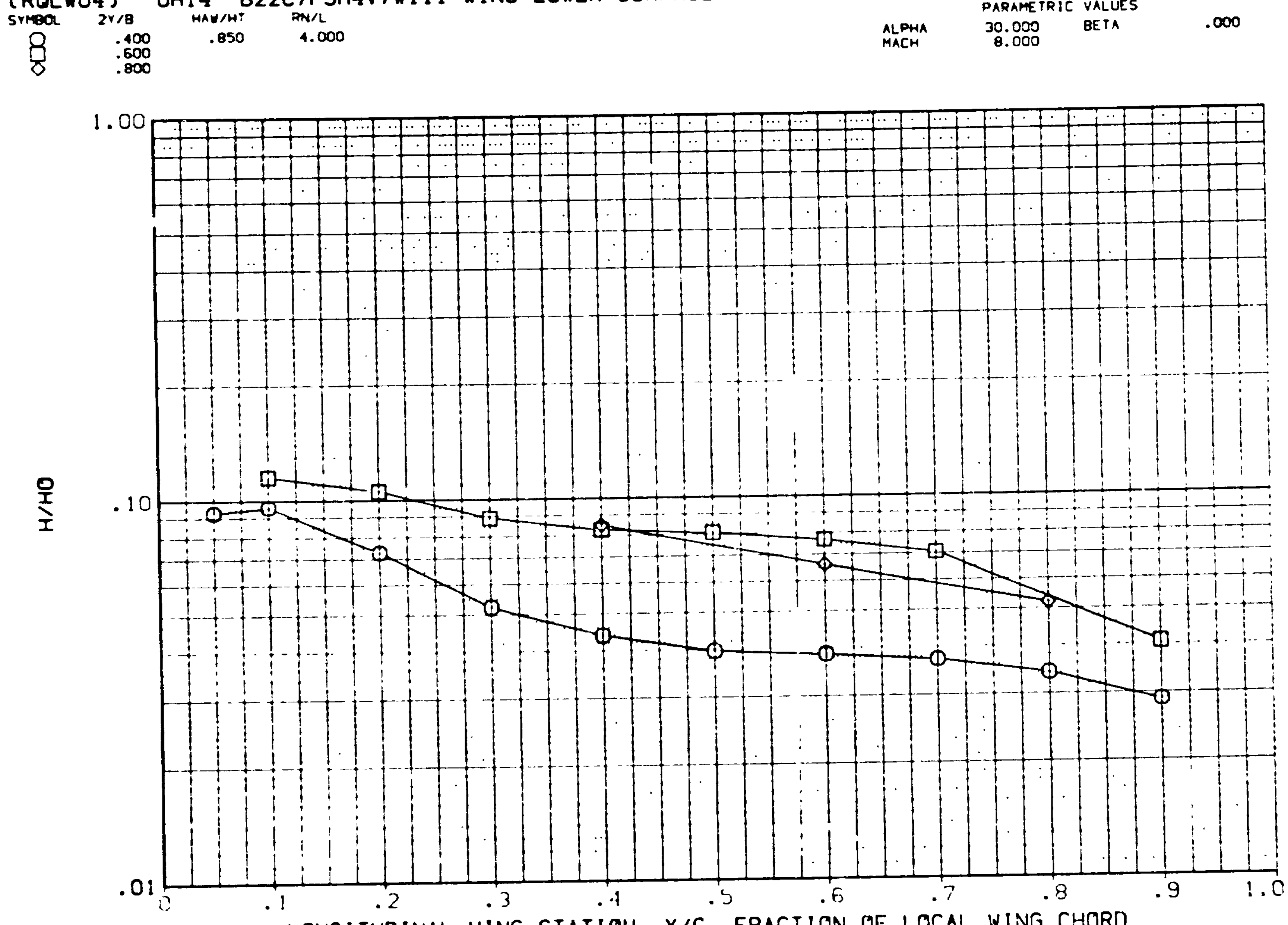


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	4.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

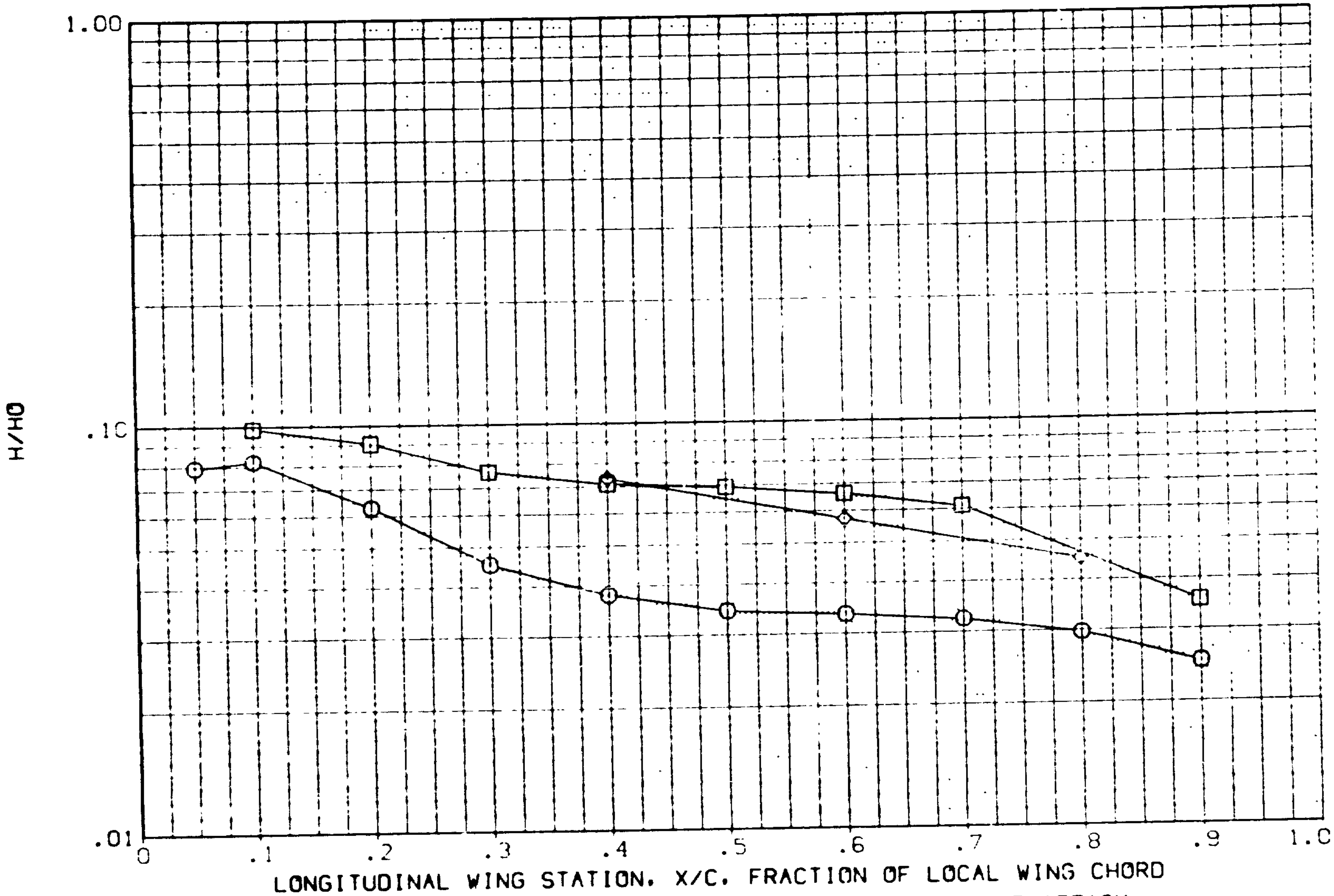


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

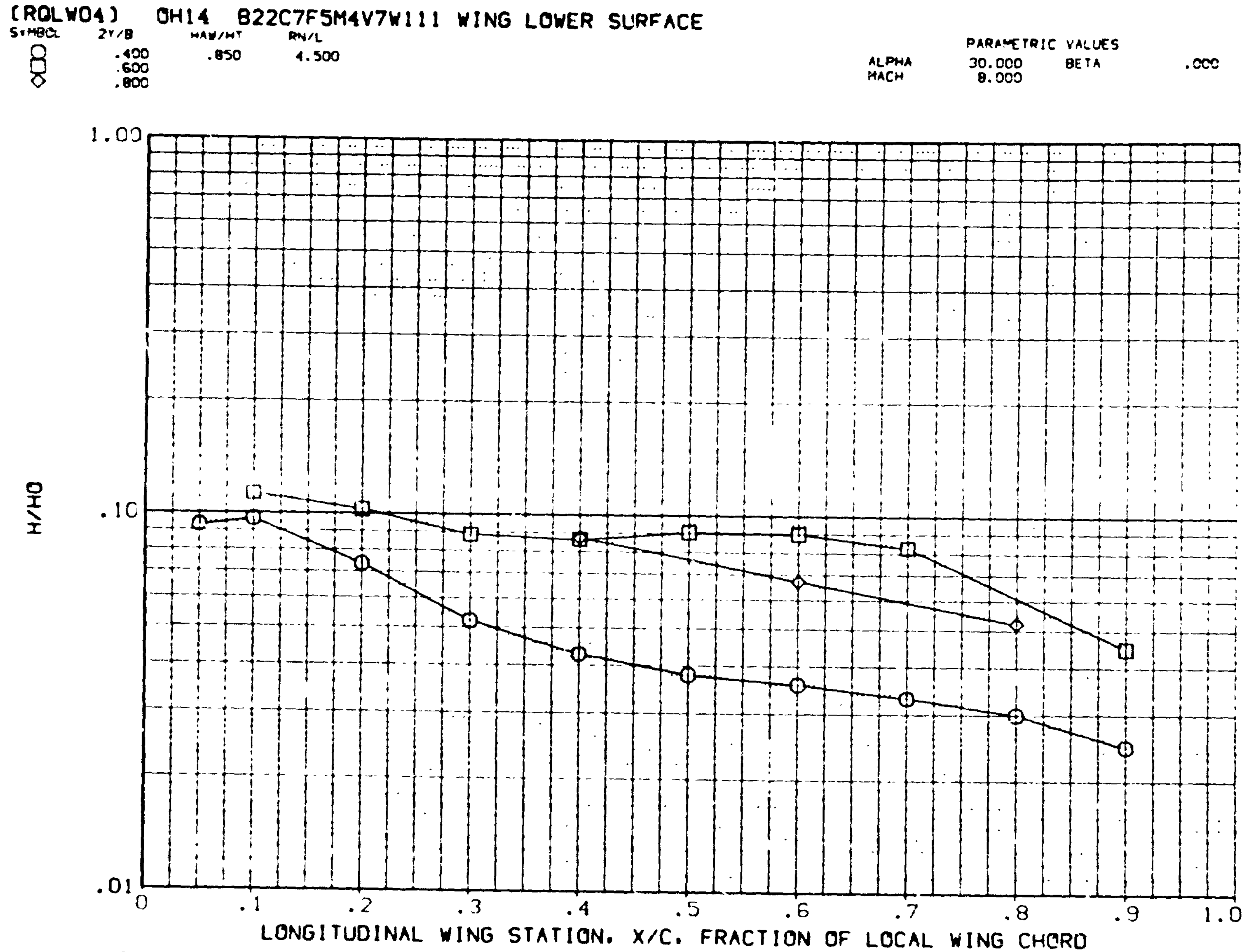


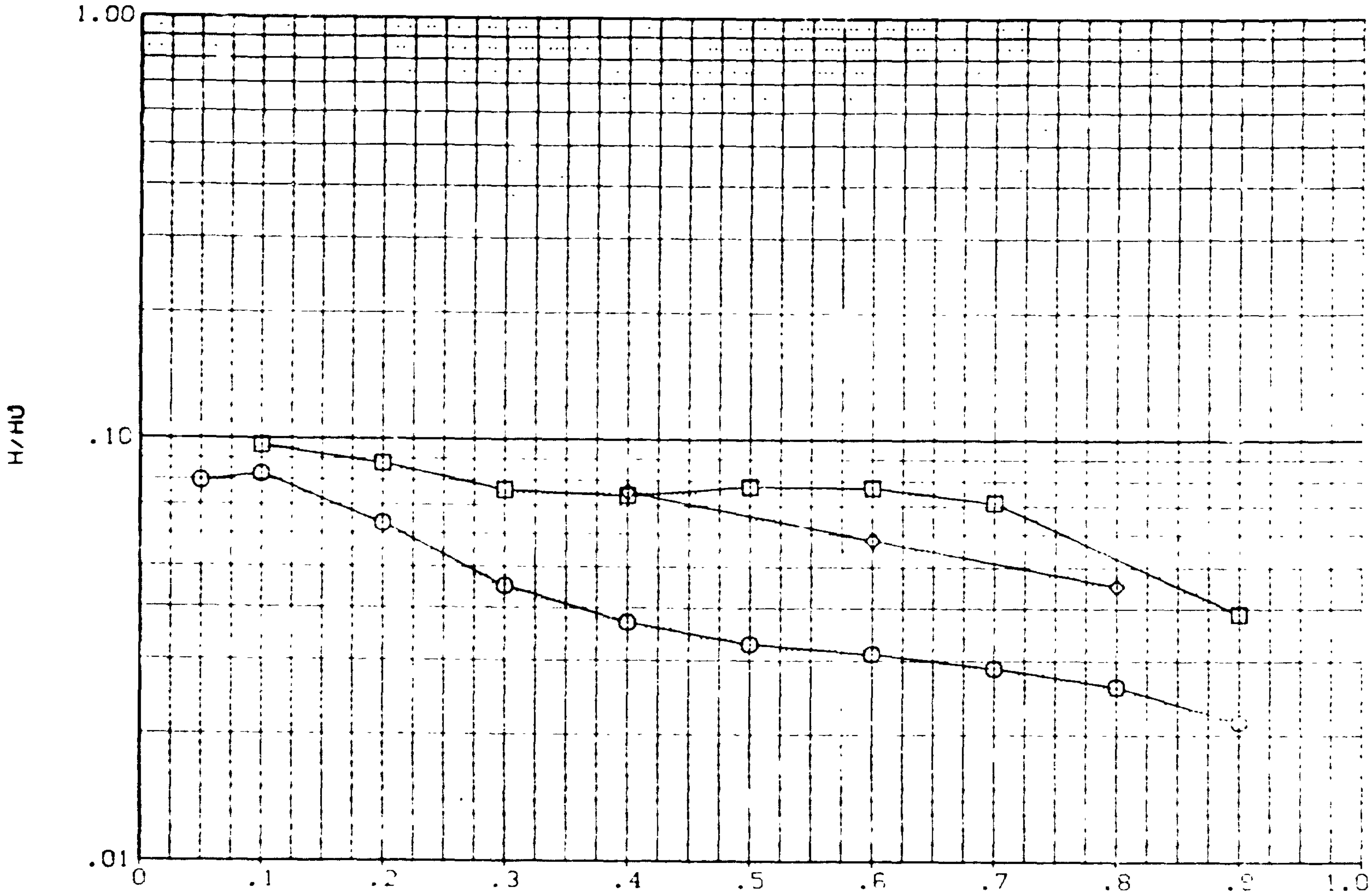
FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	4.500
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 6.000



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

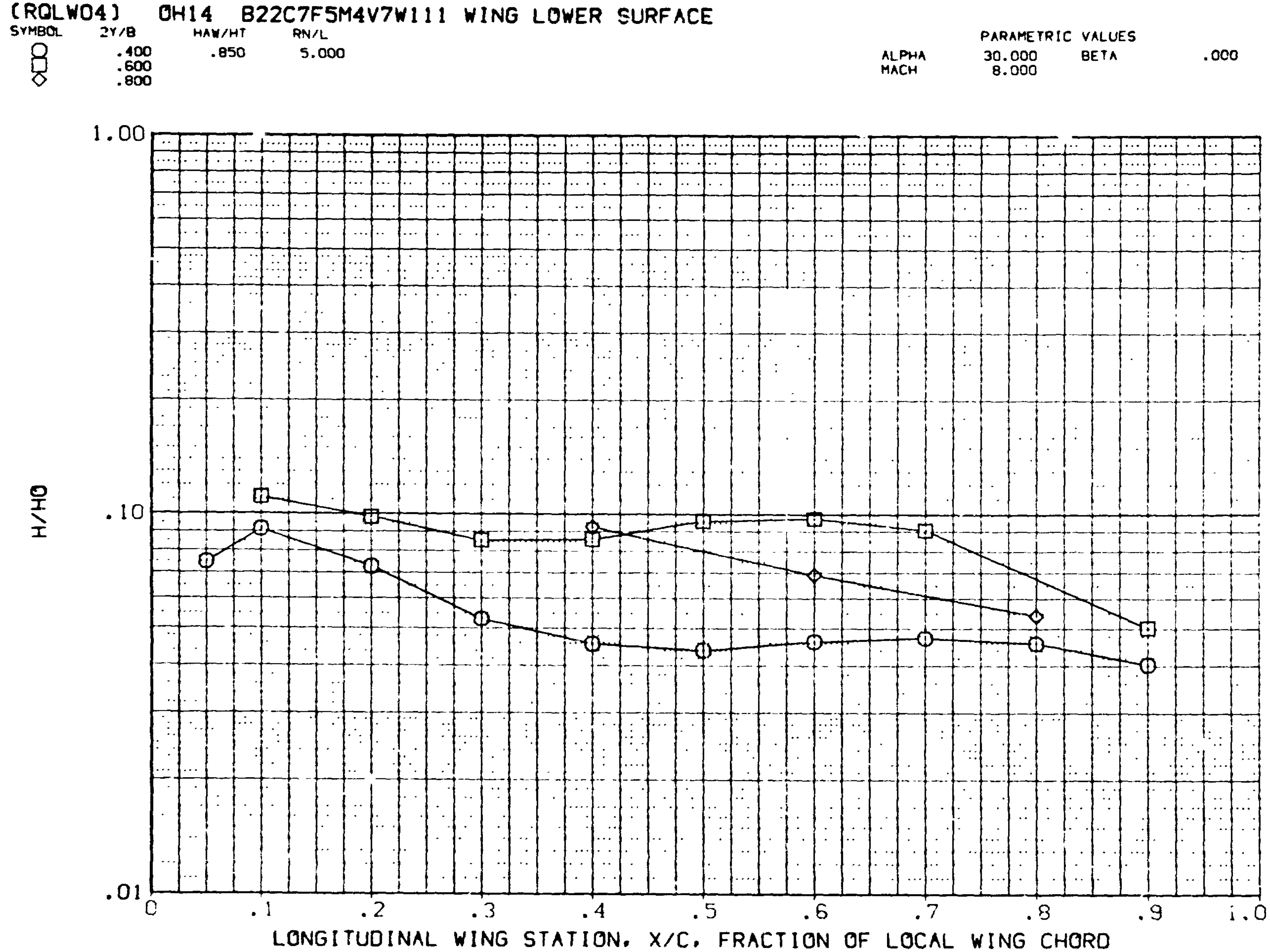


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

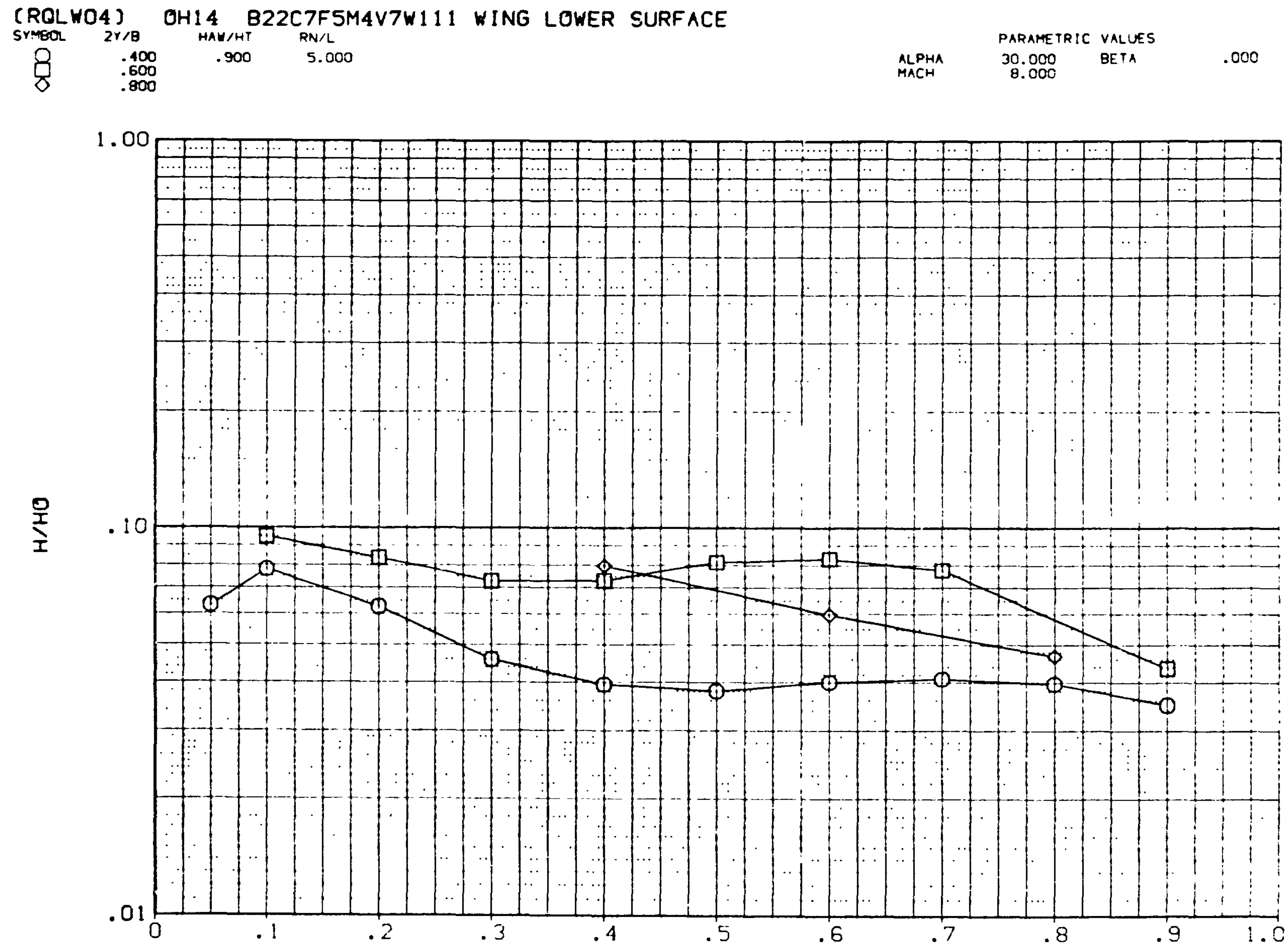


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	5.500
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

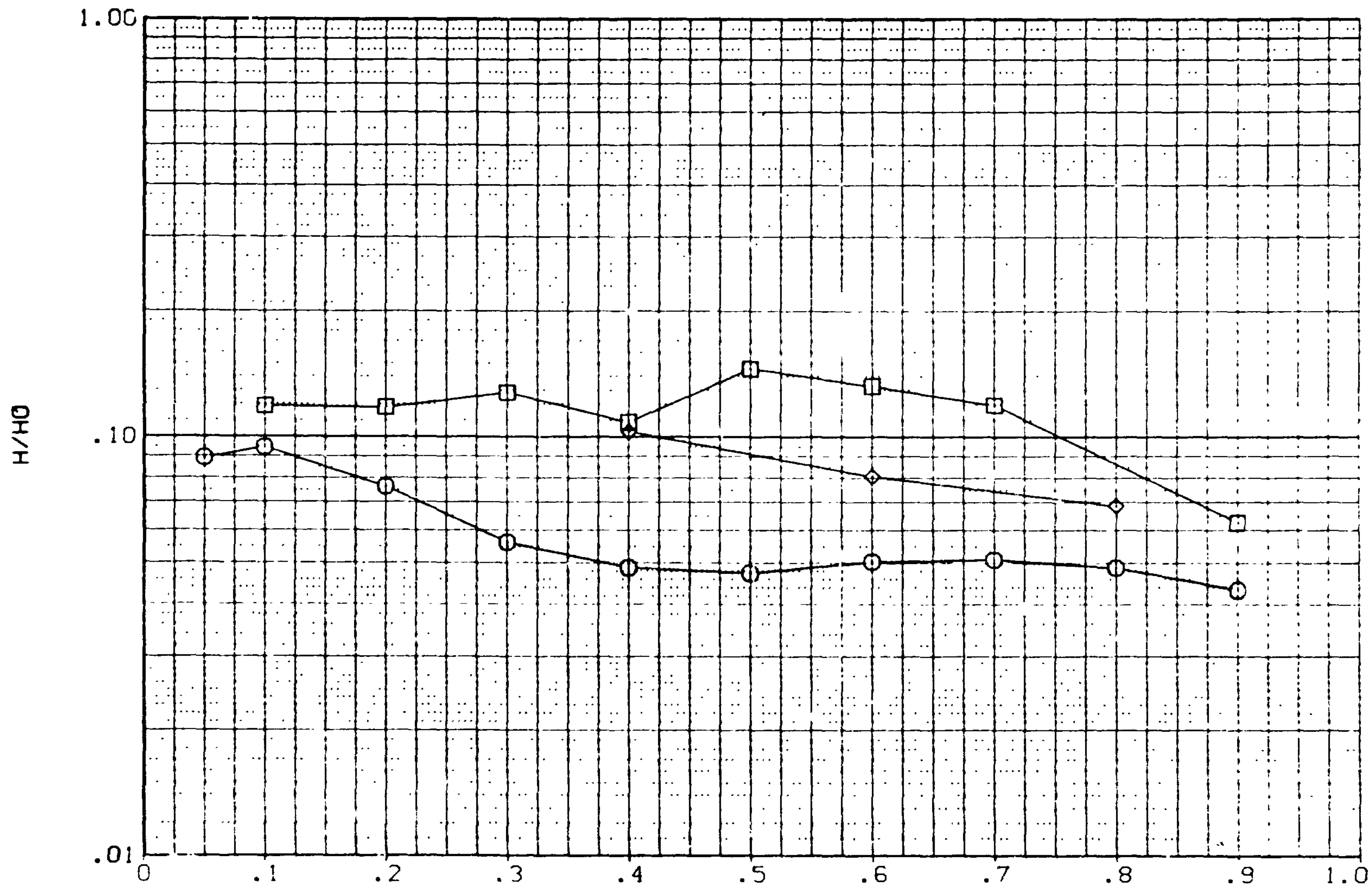


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.900	5.500
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000

MACH 8.000

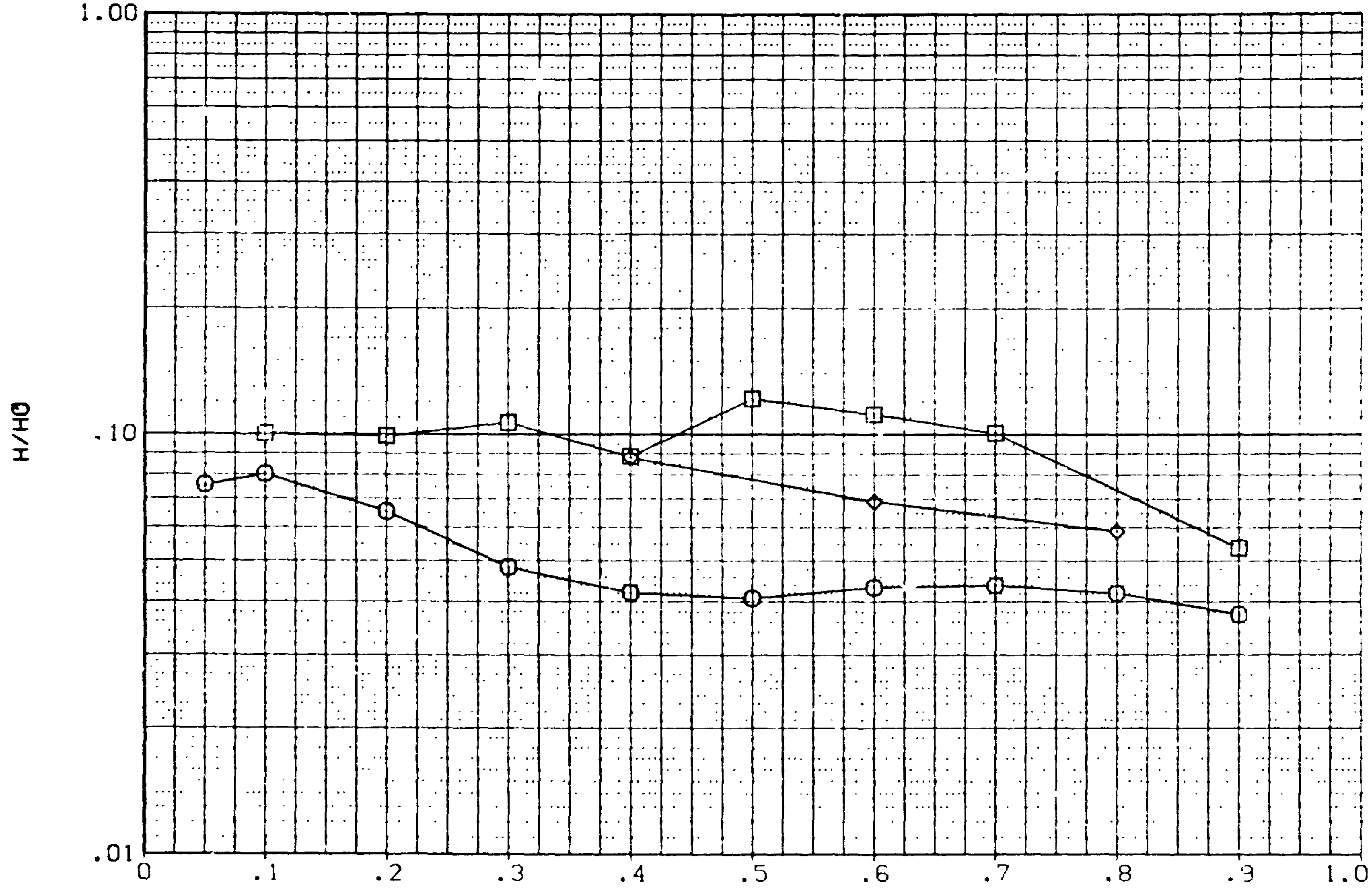


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

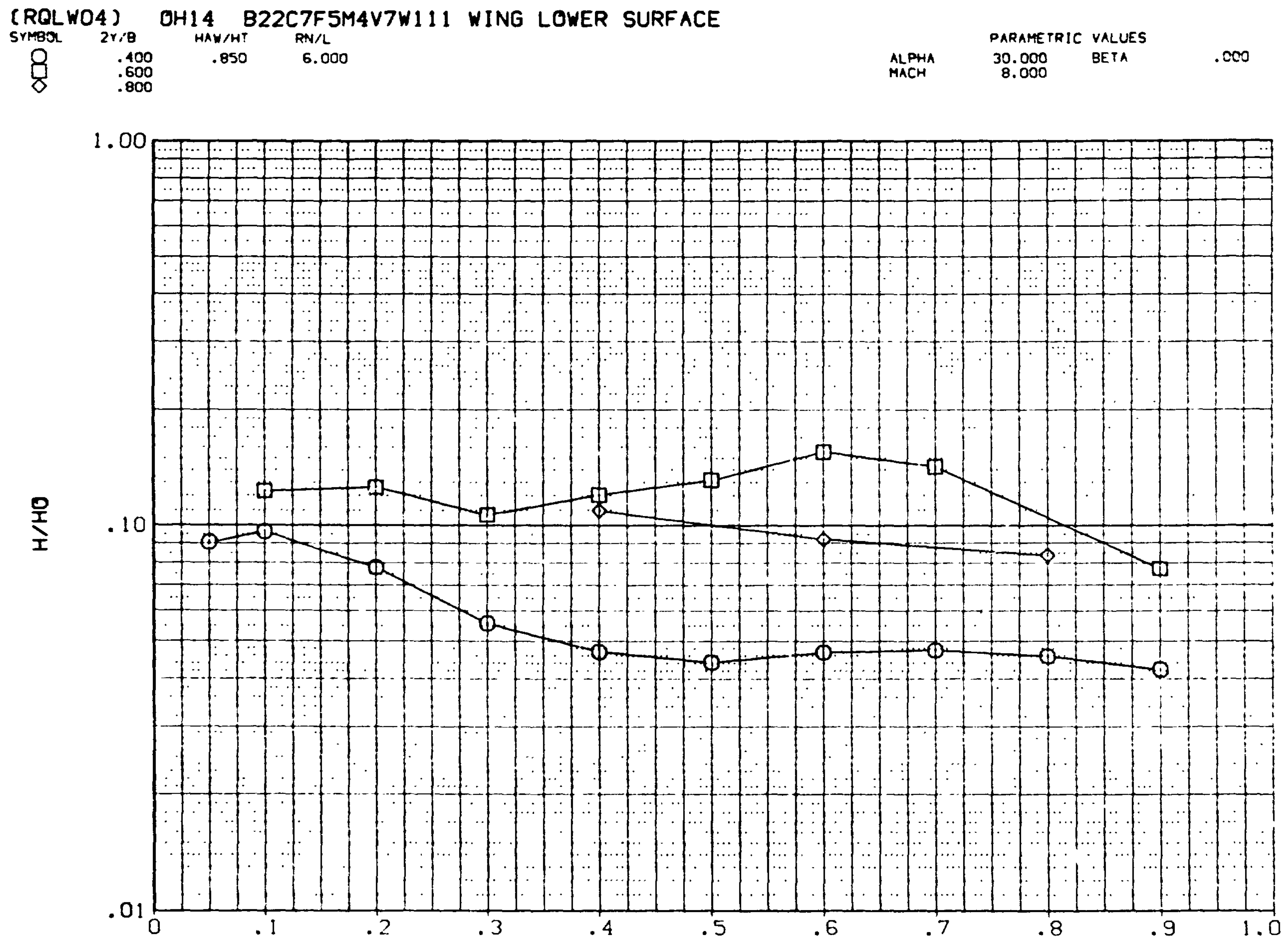


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

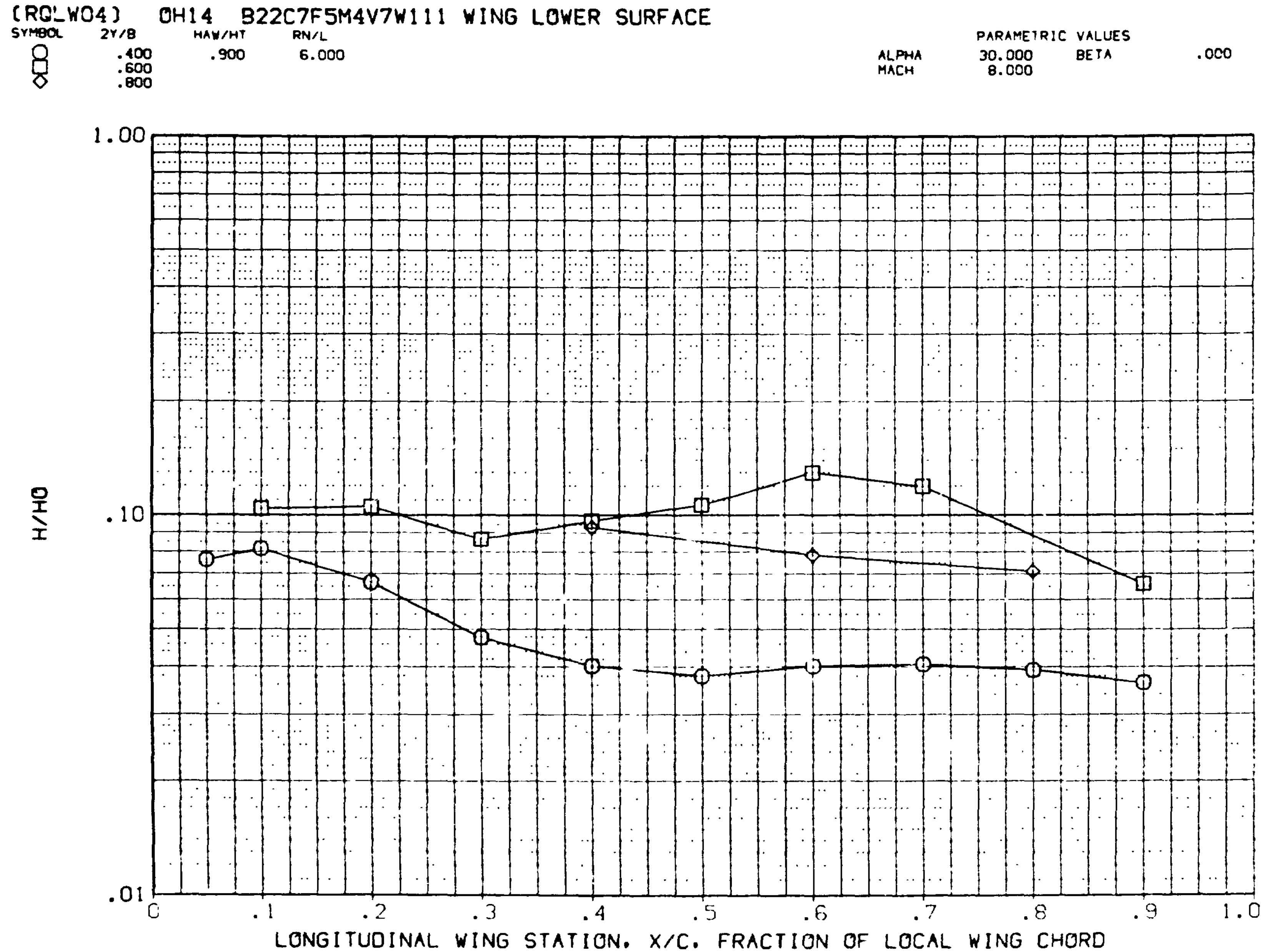


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

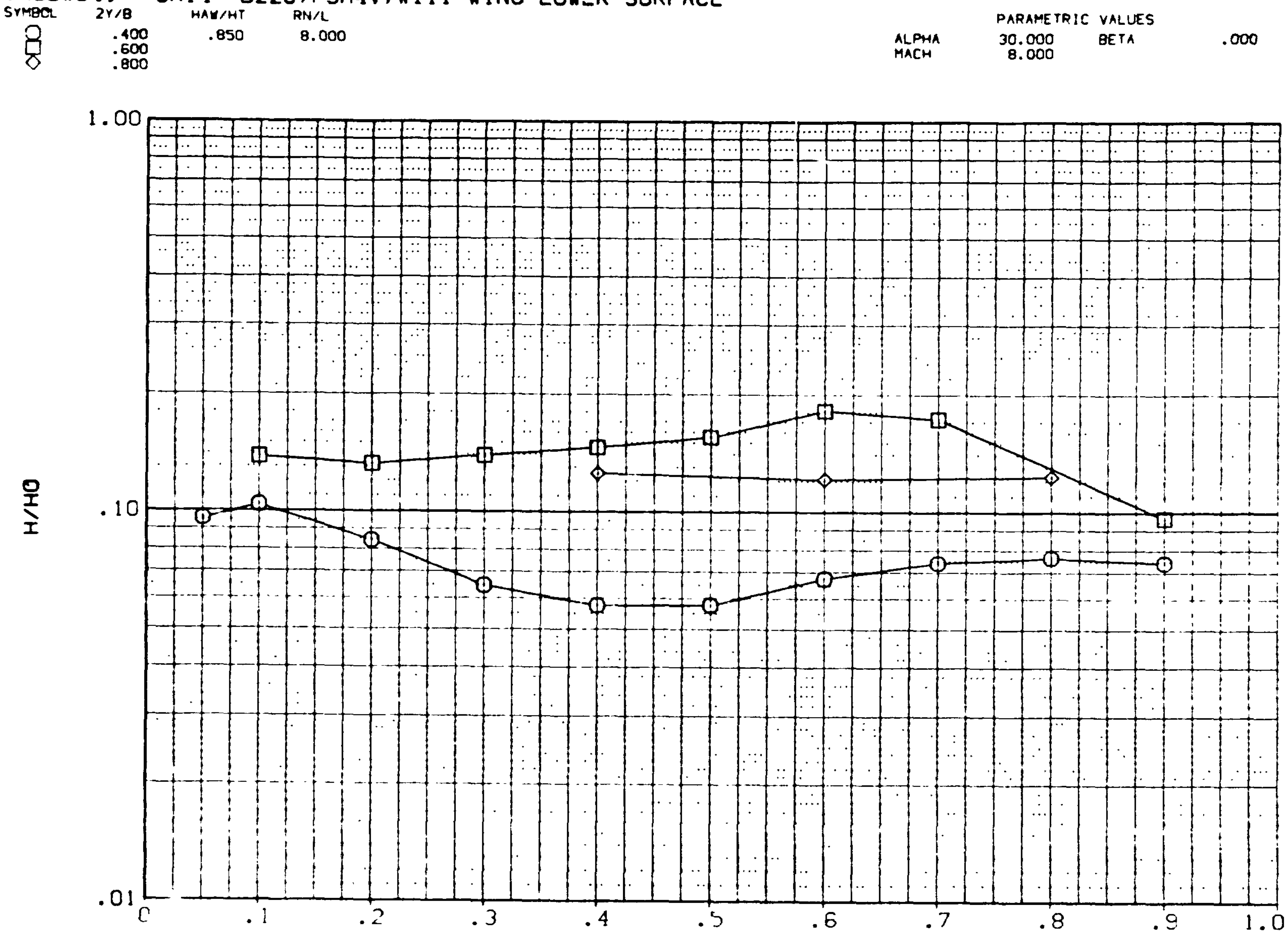


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

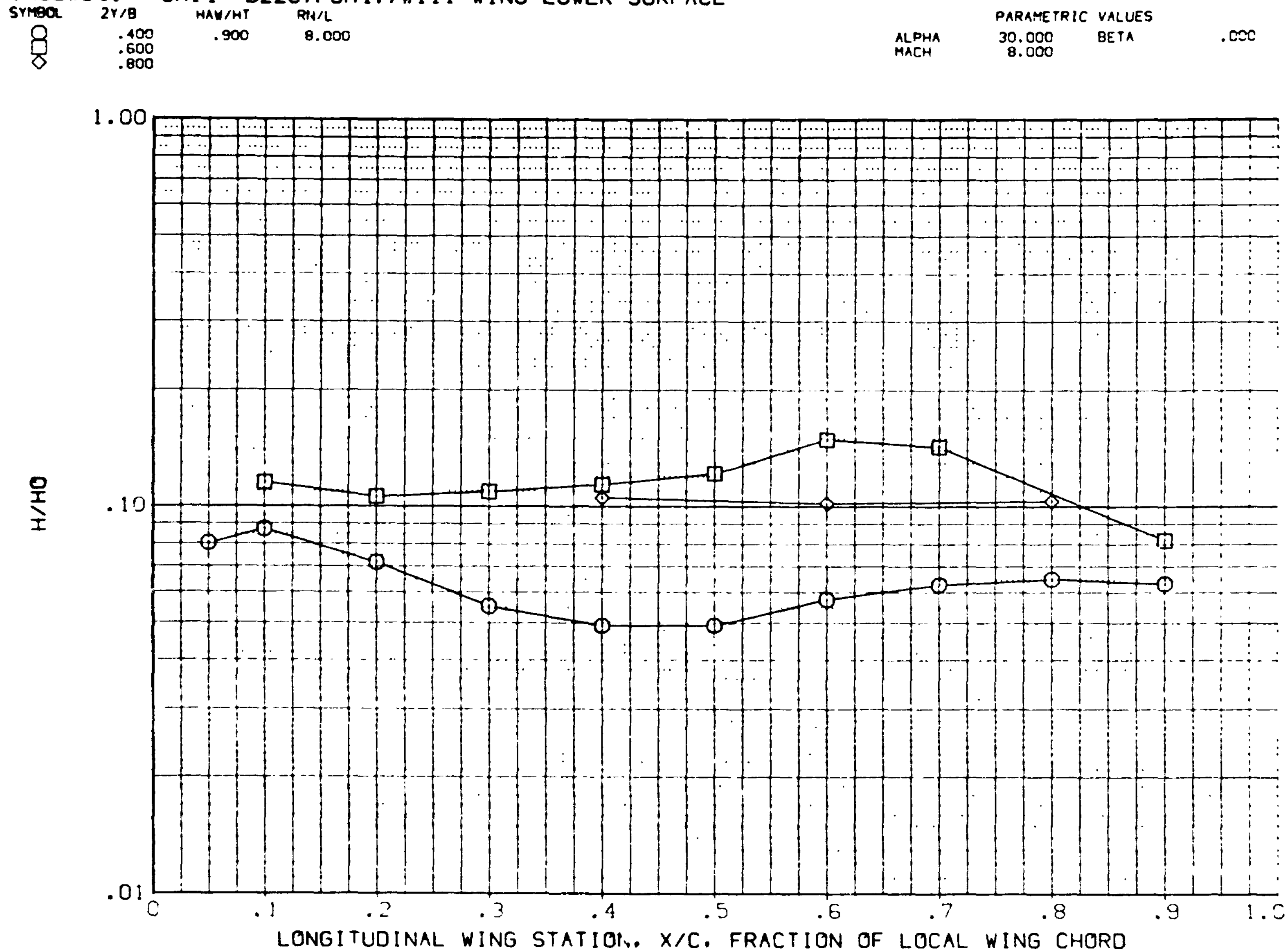


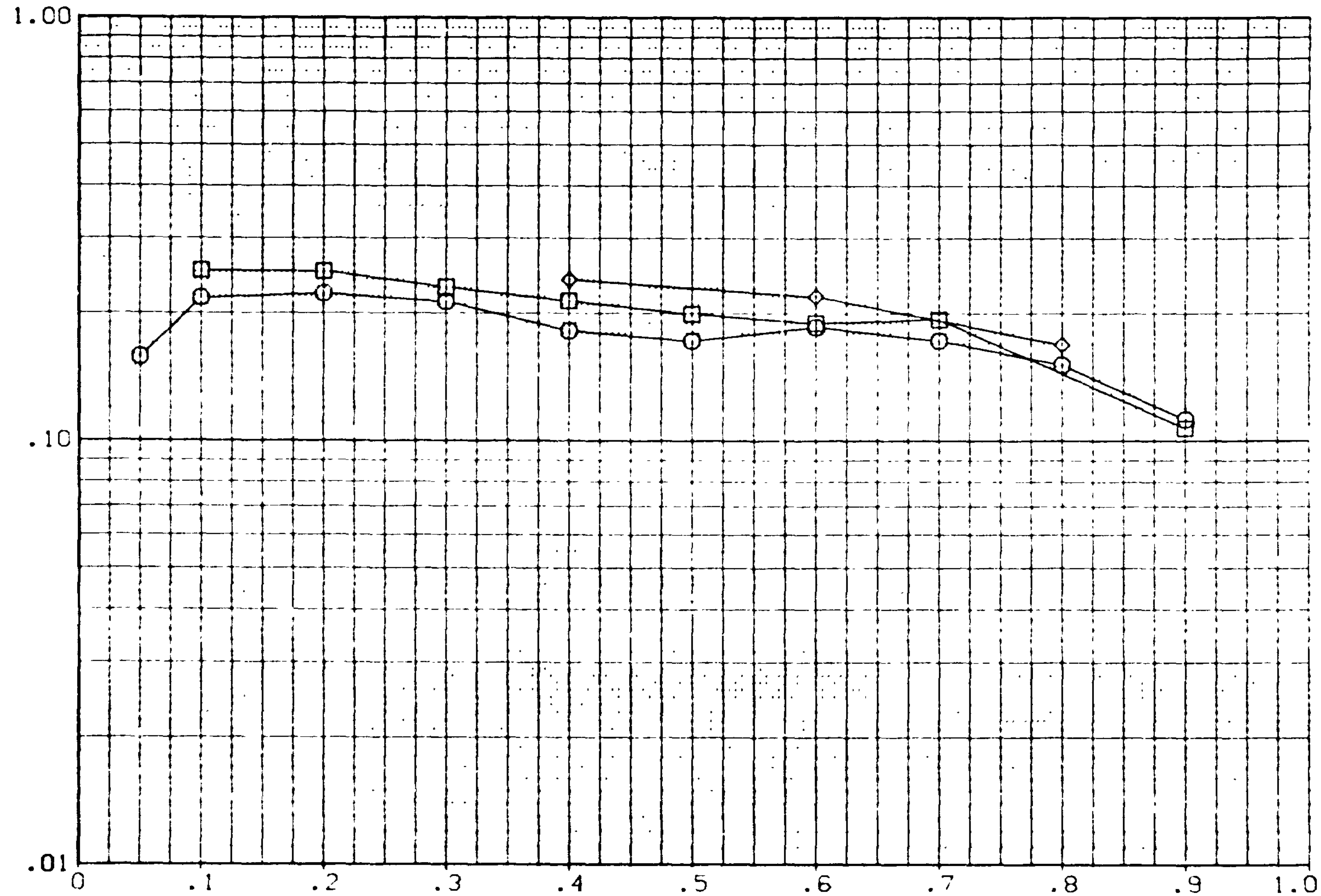
FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	10.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLW04) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

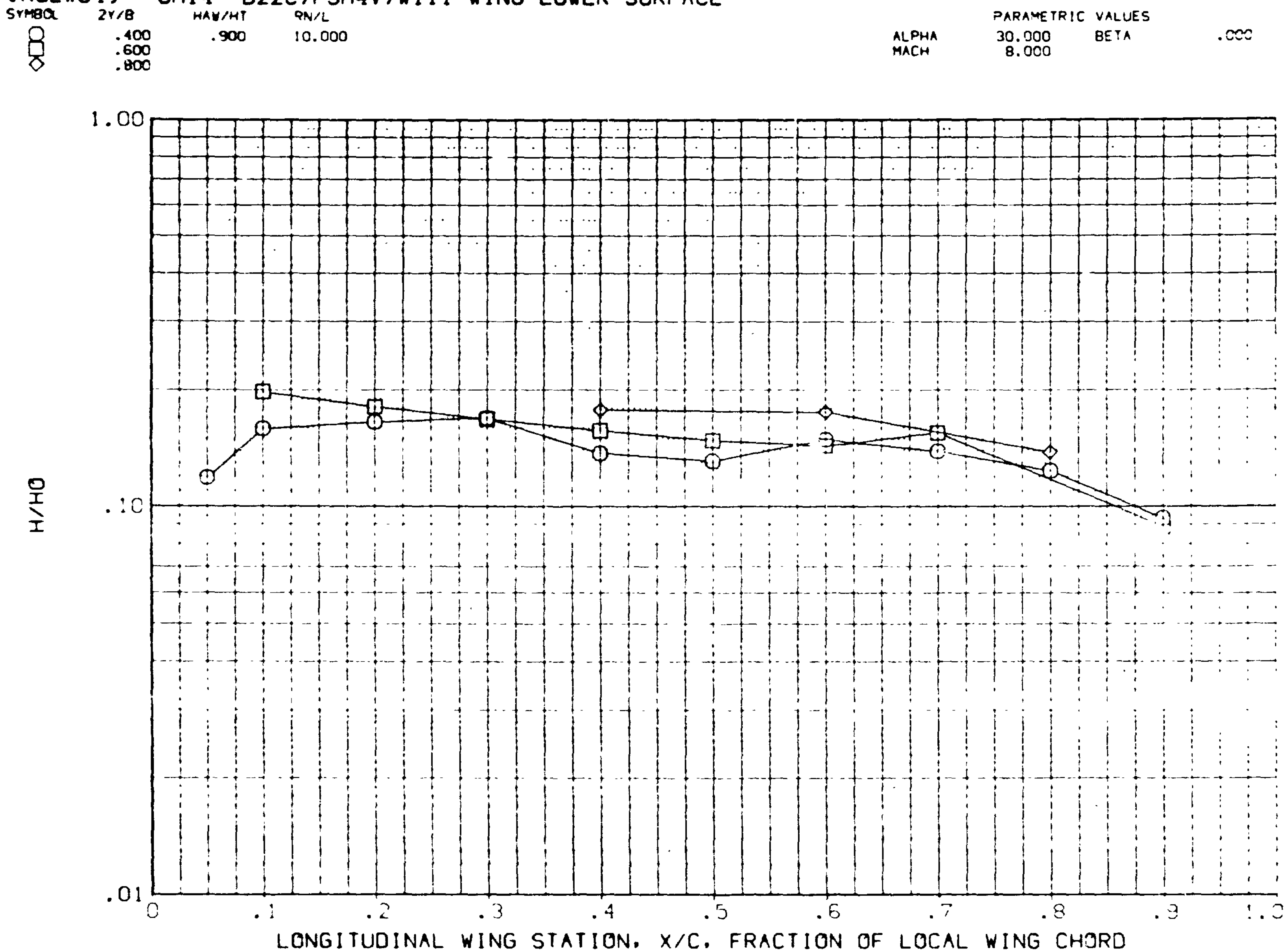


FIG 11 WING LOWER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

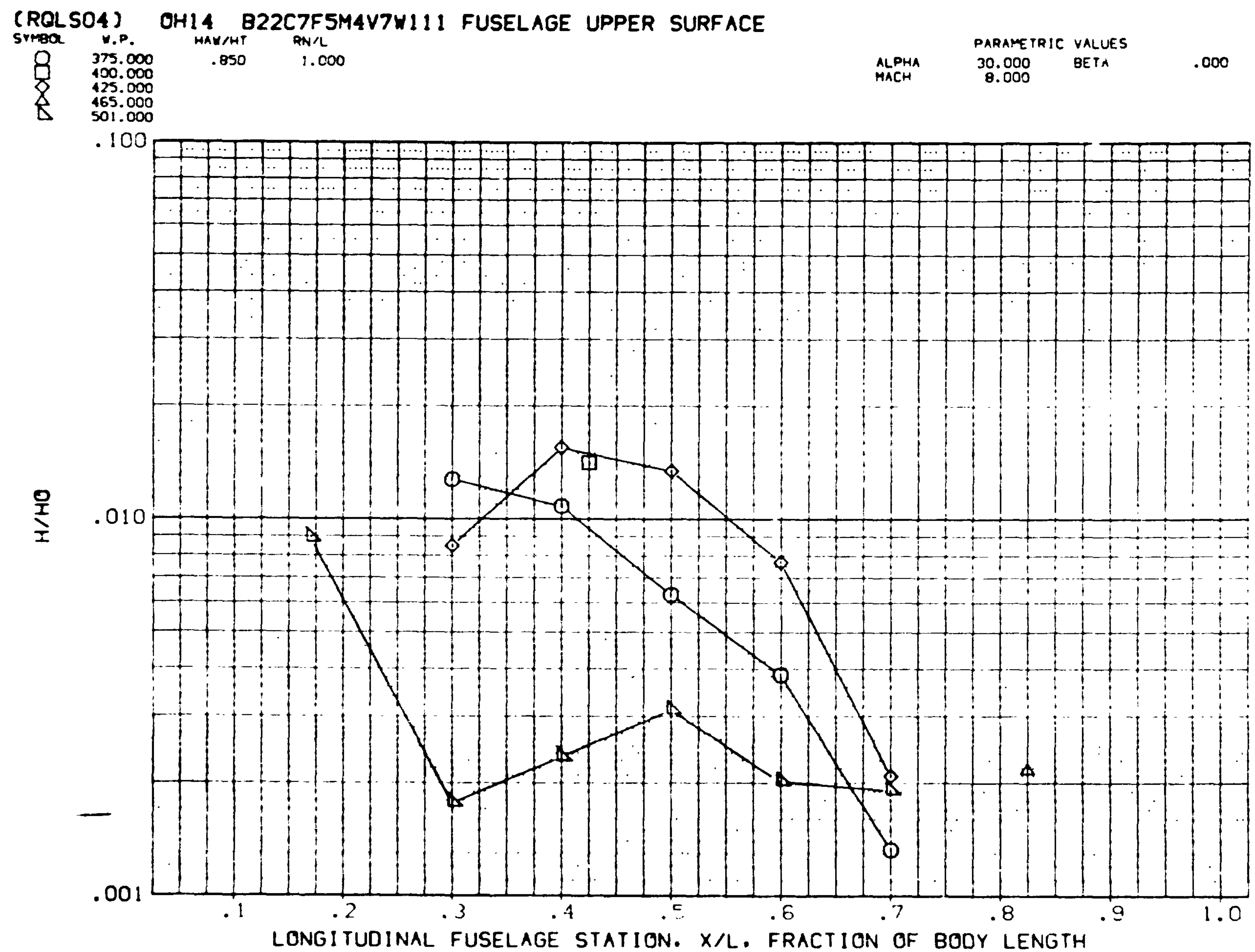


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

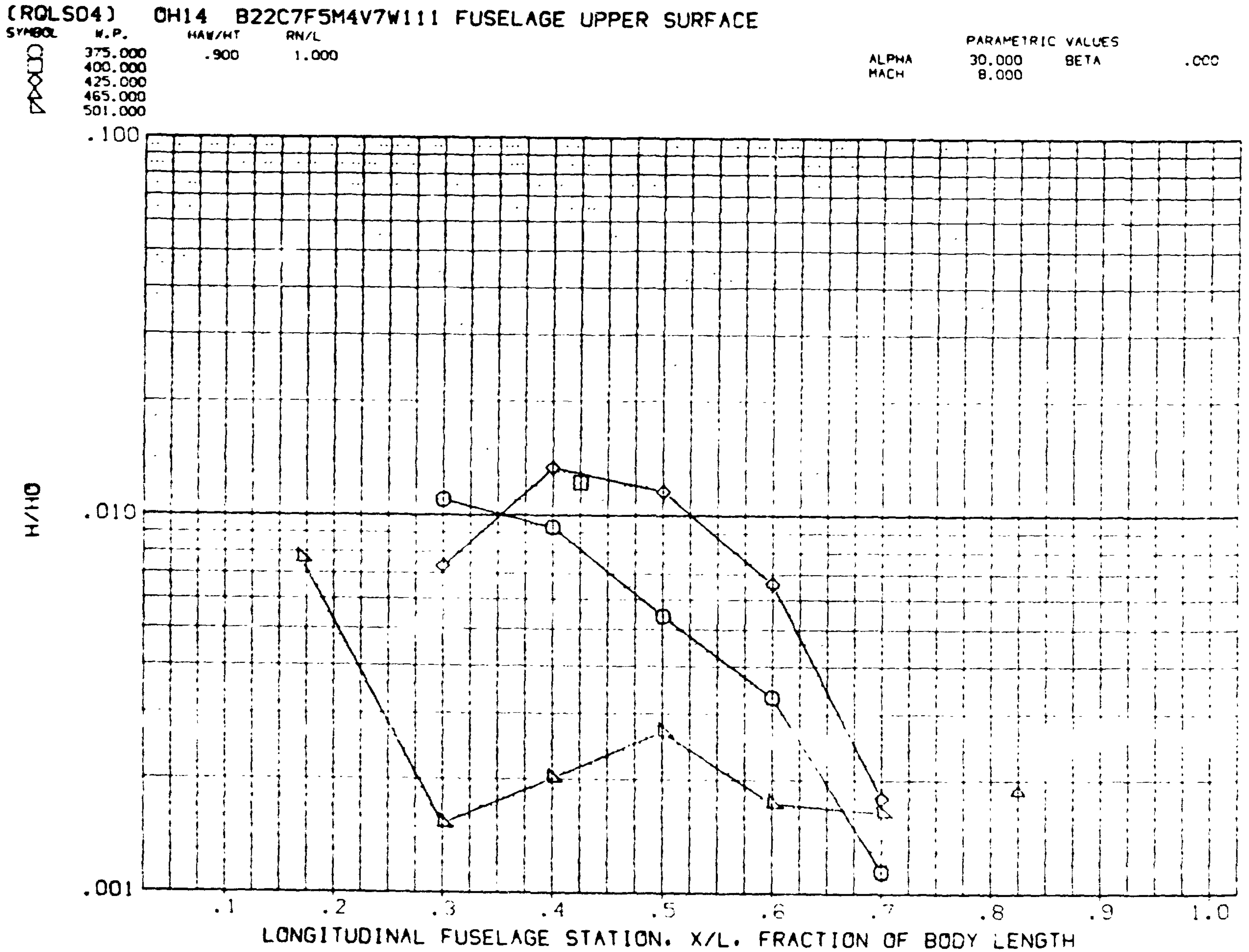


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

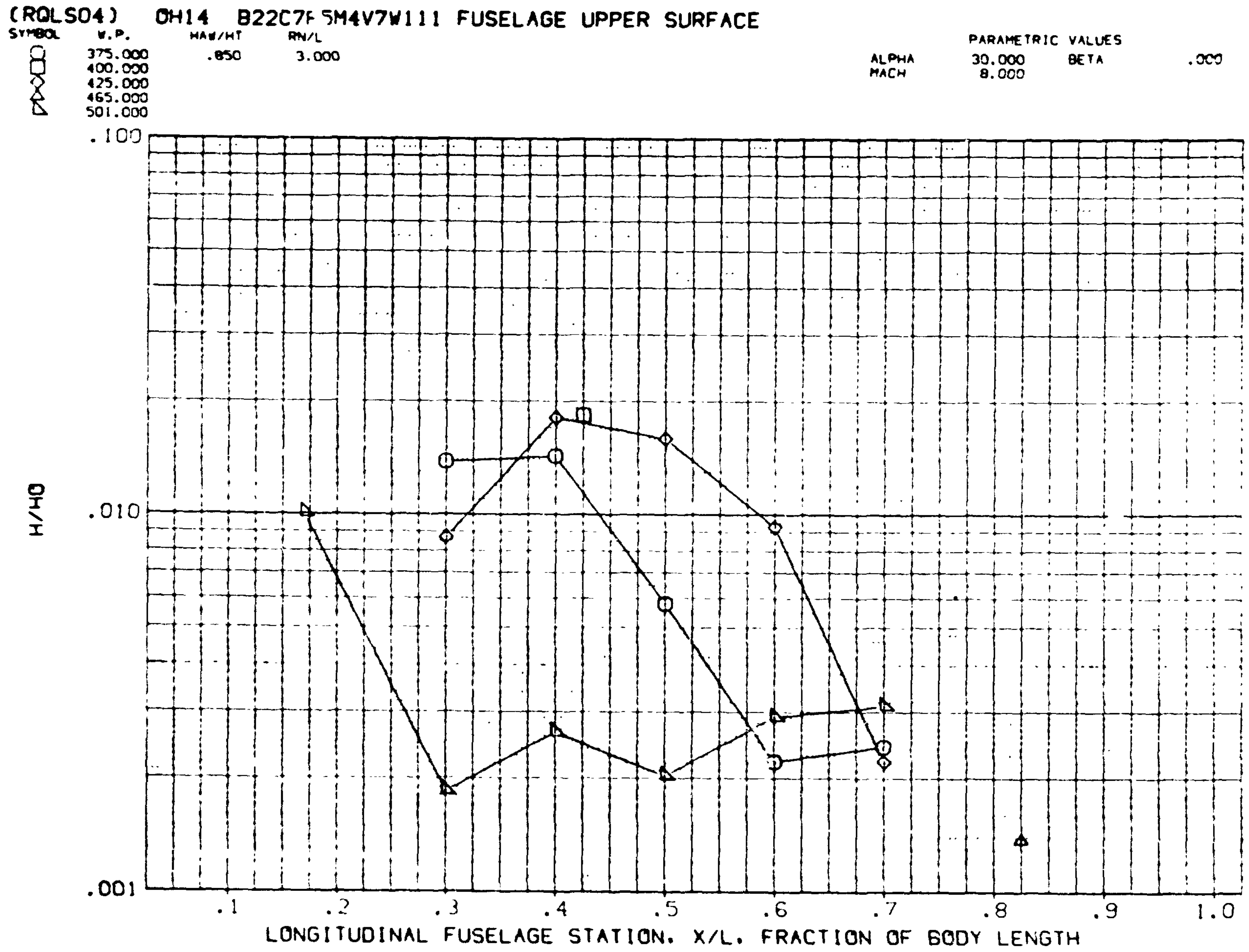
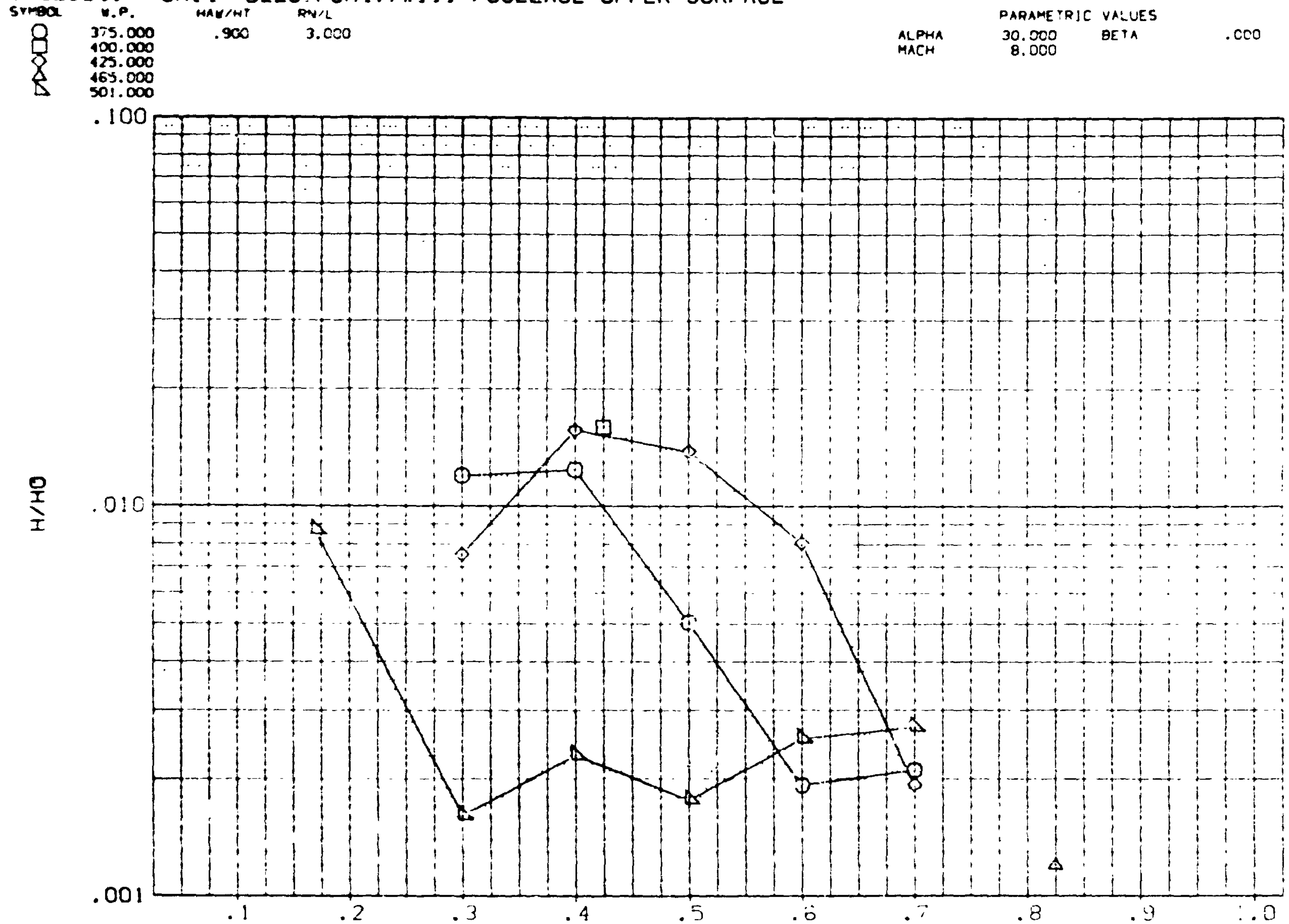


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

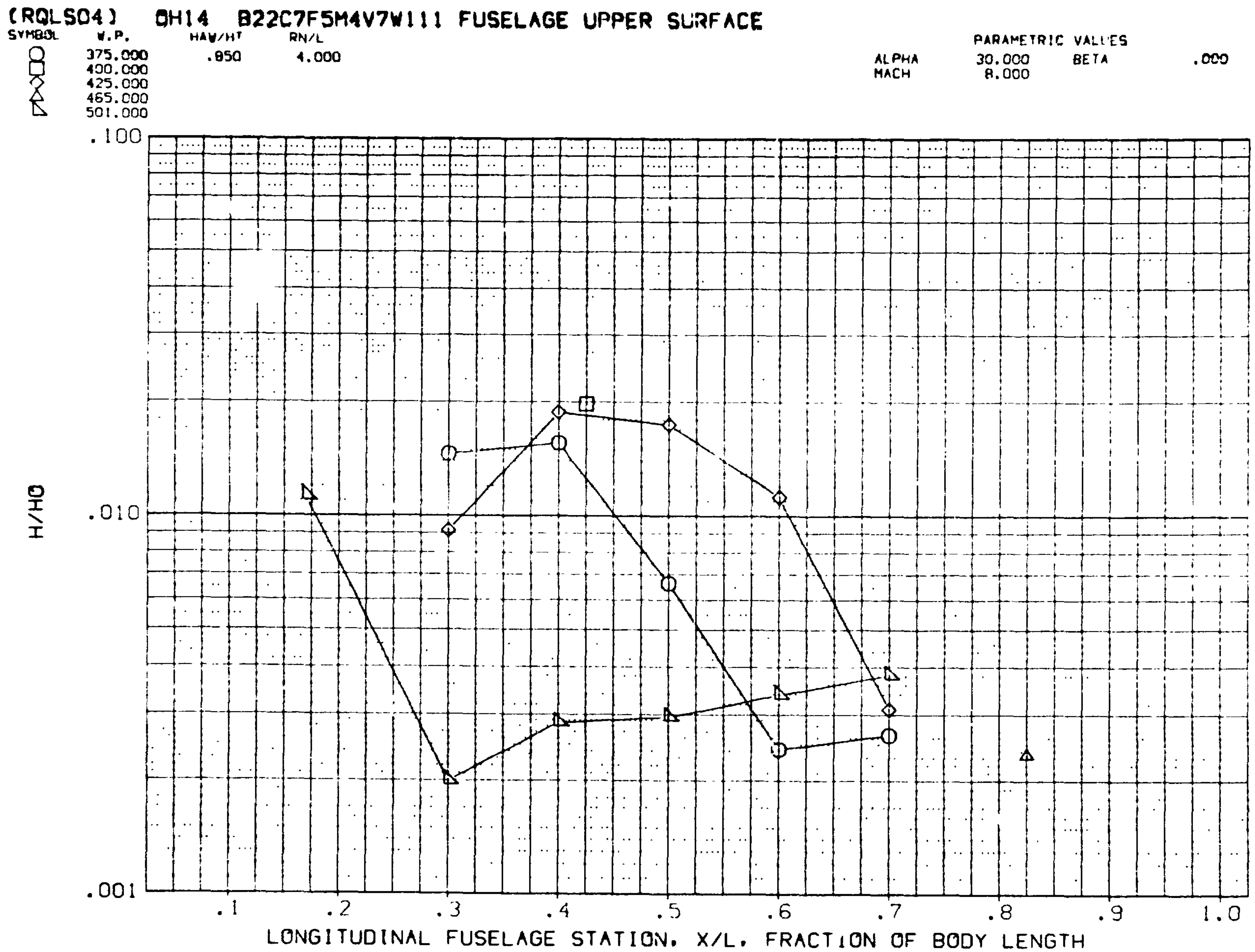


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

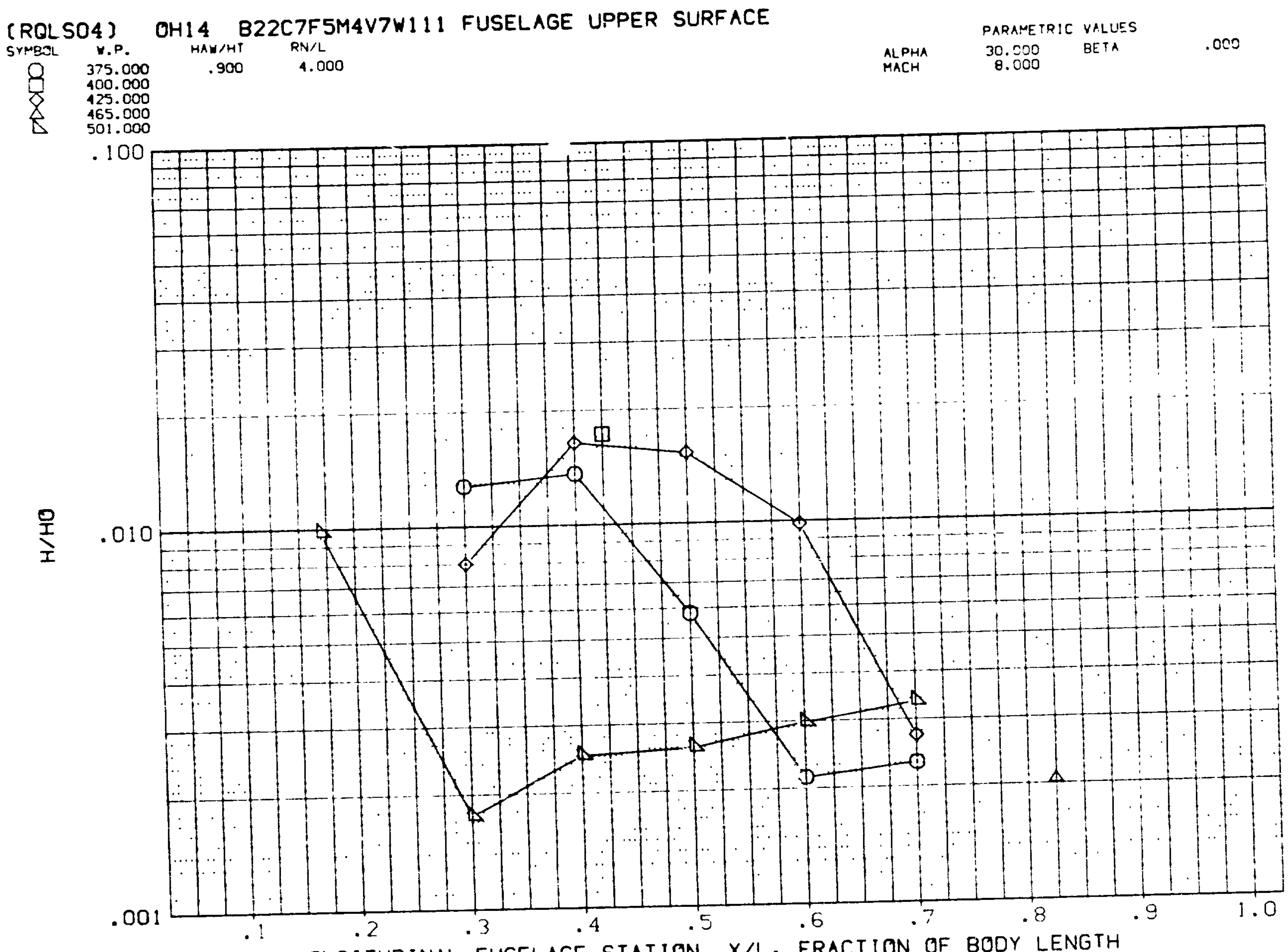


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

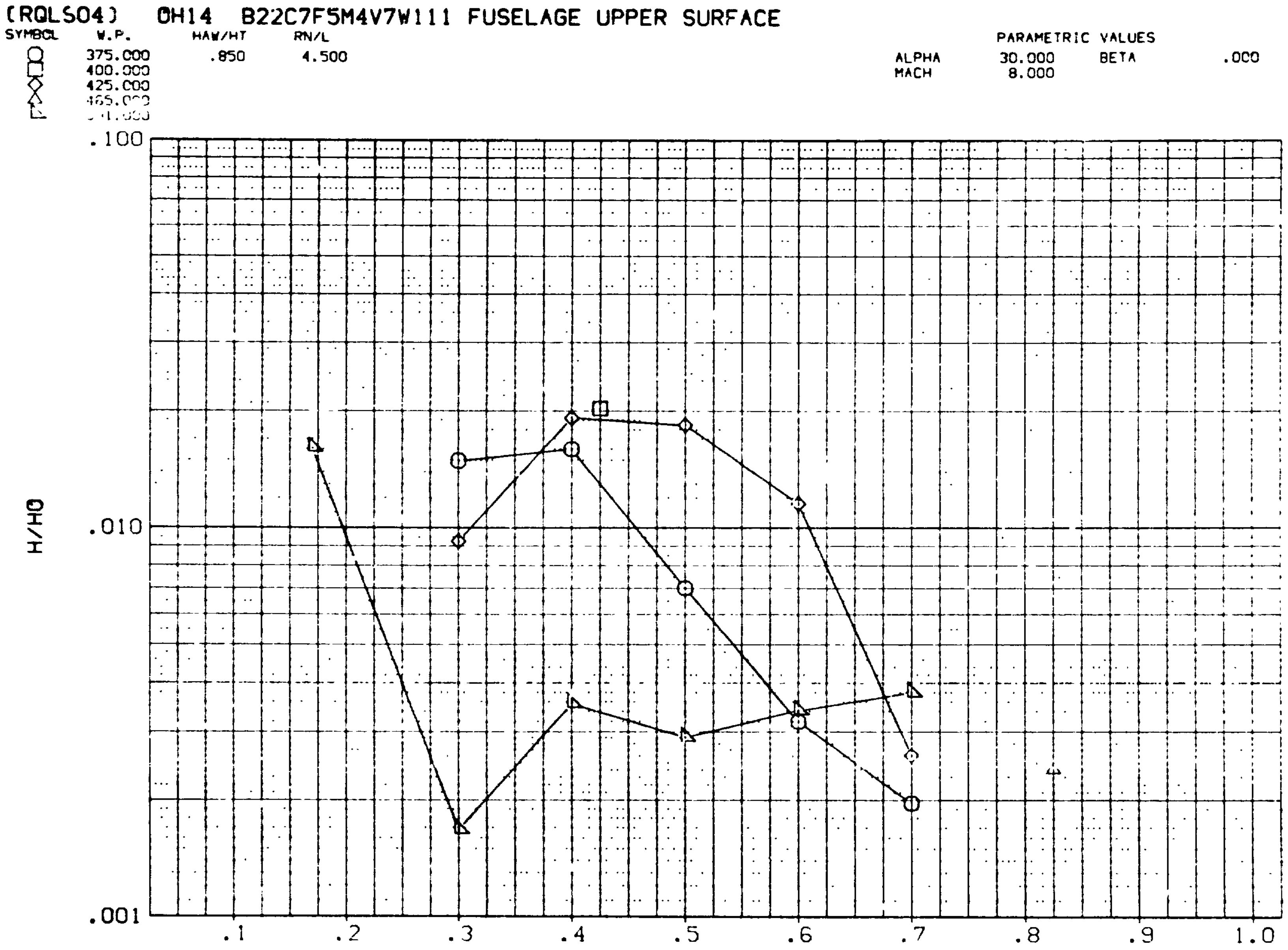


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANCLE OF ATTACK

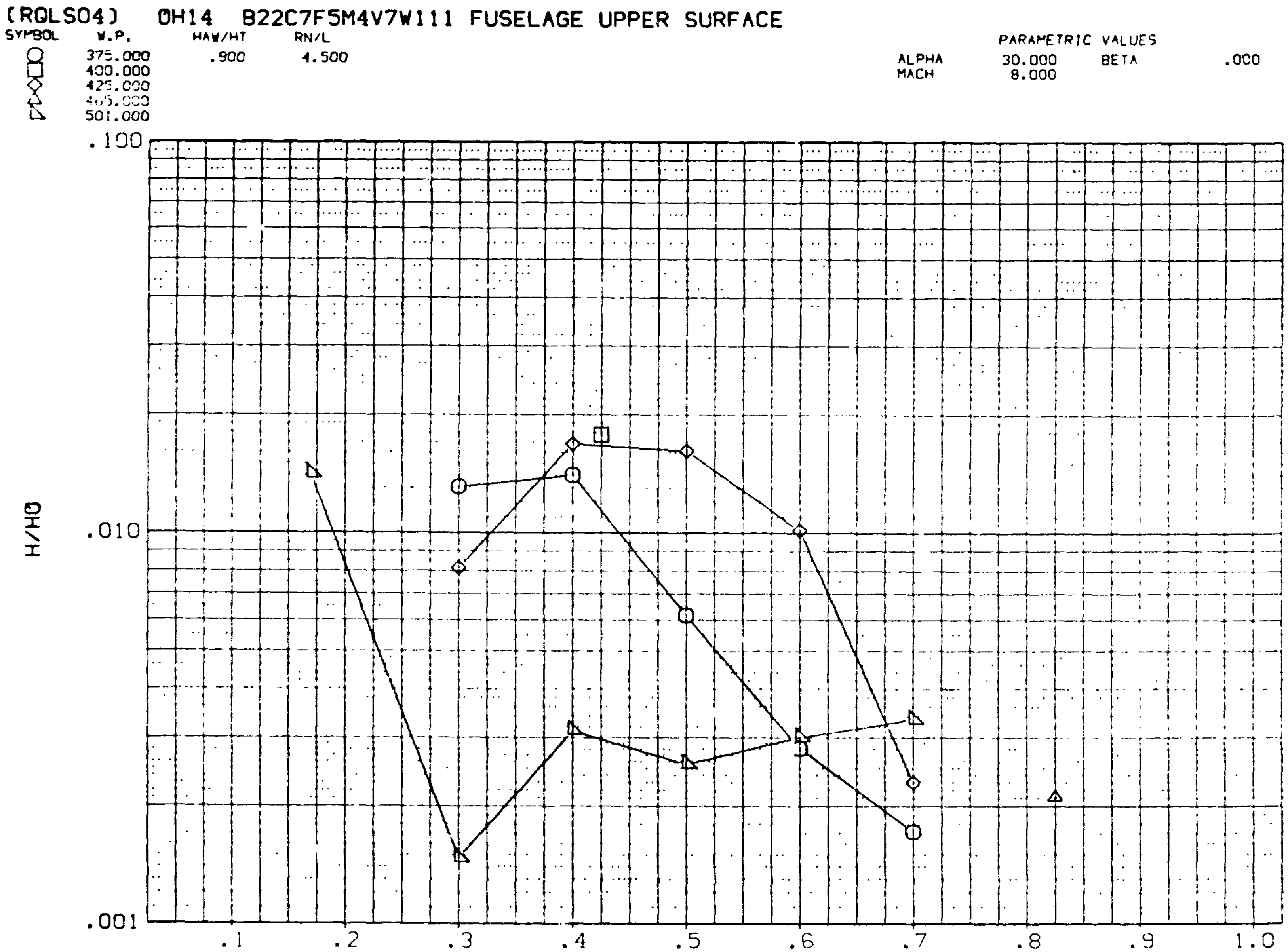


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

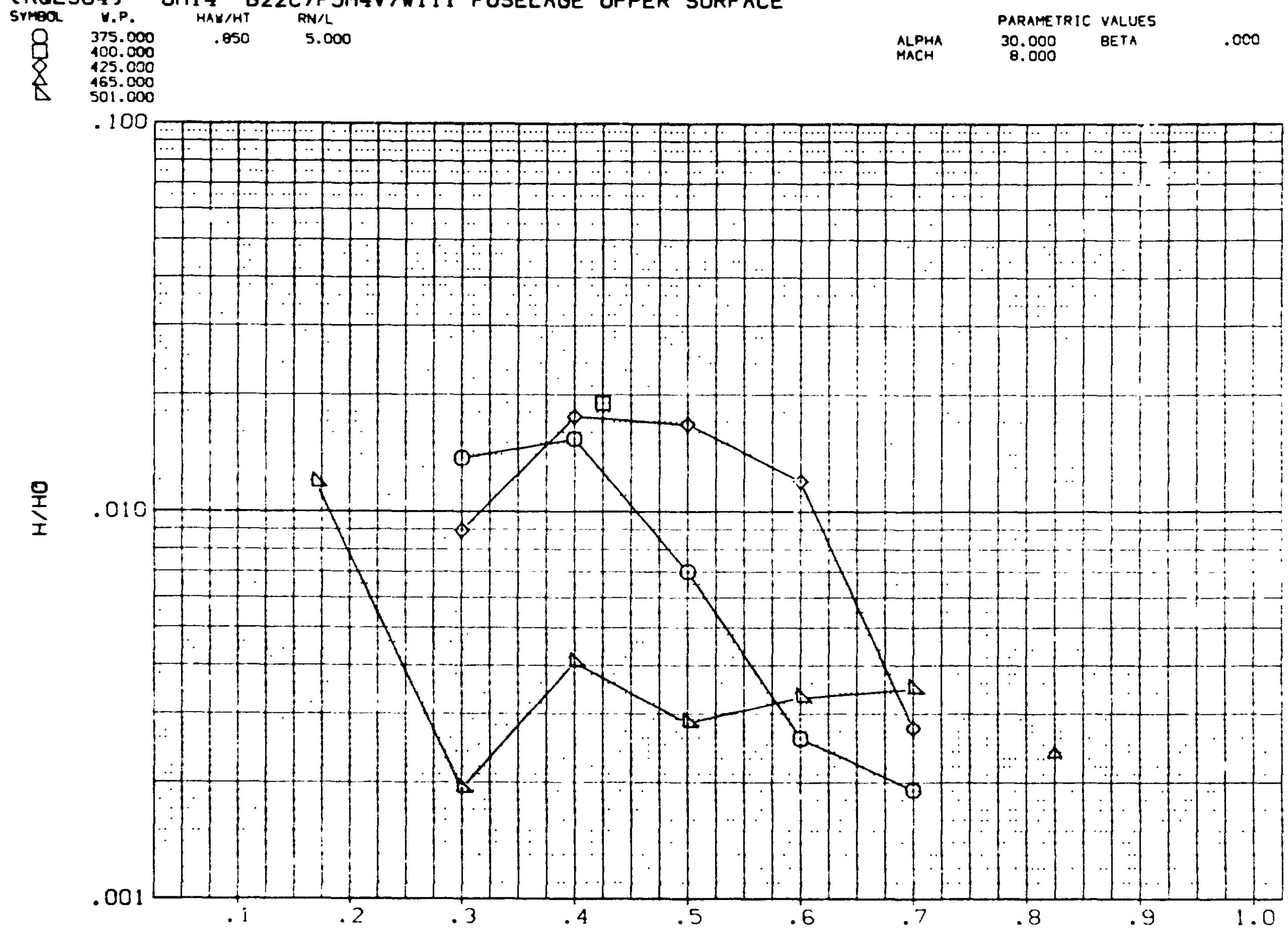


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

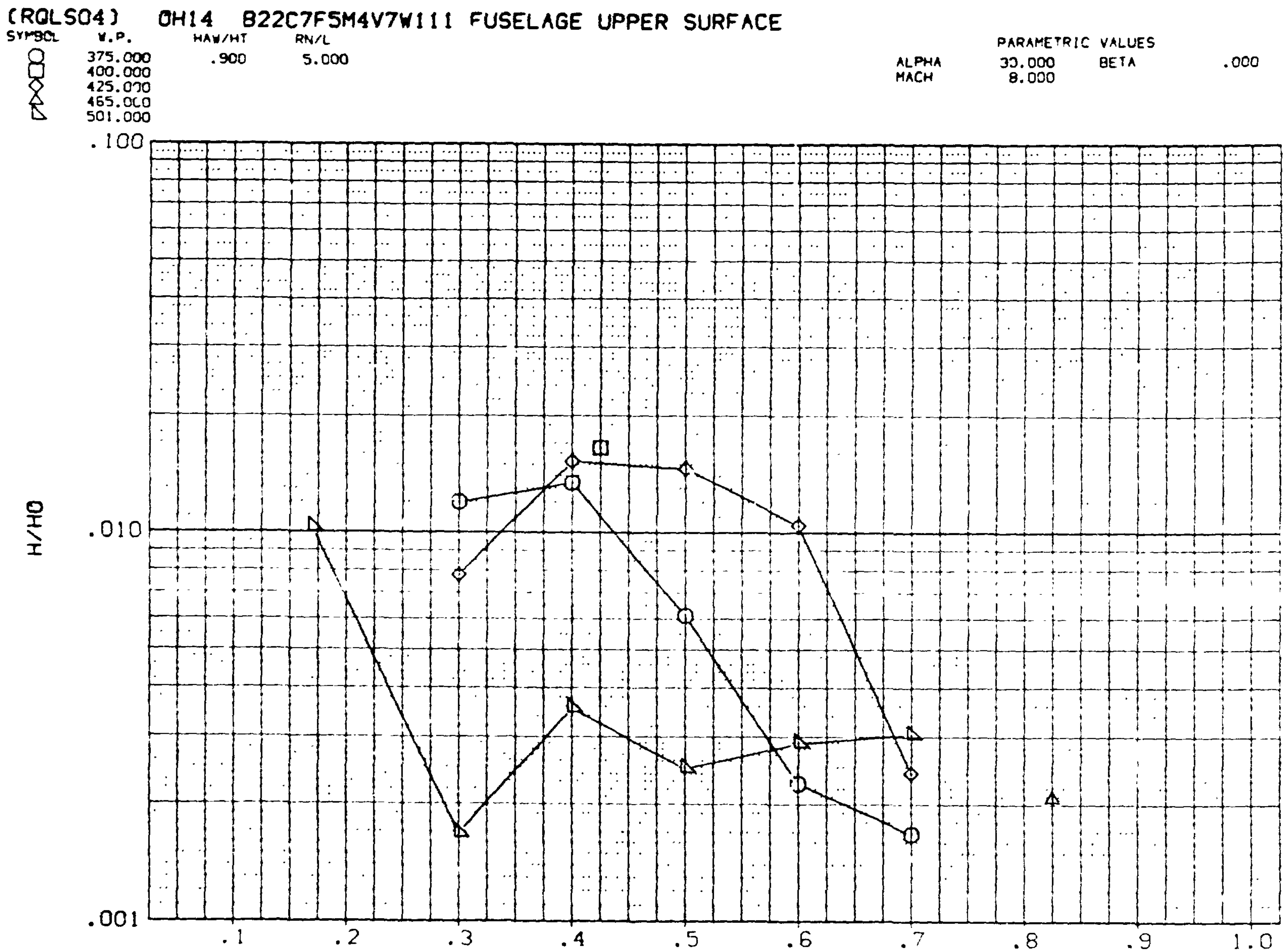


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

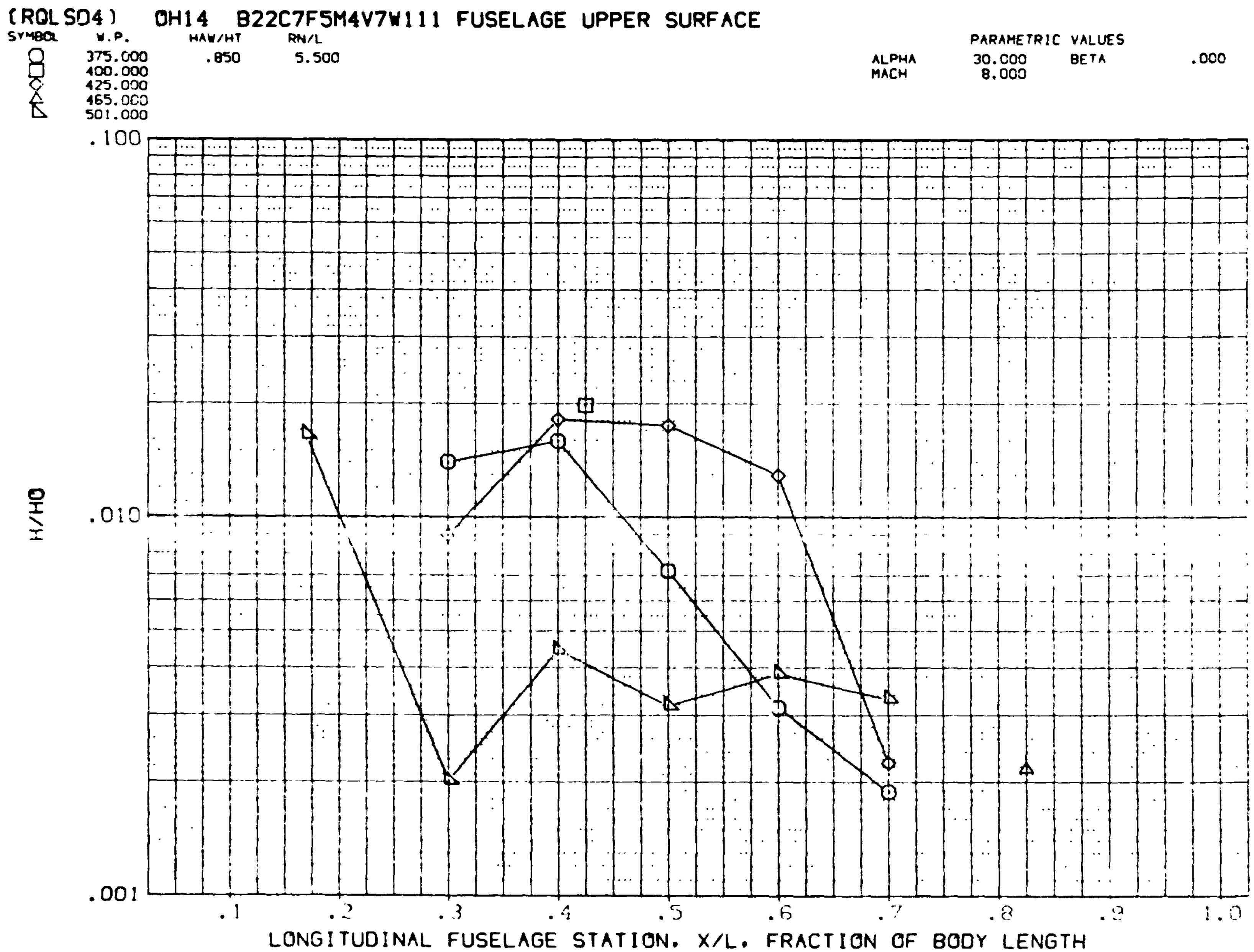


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

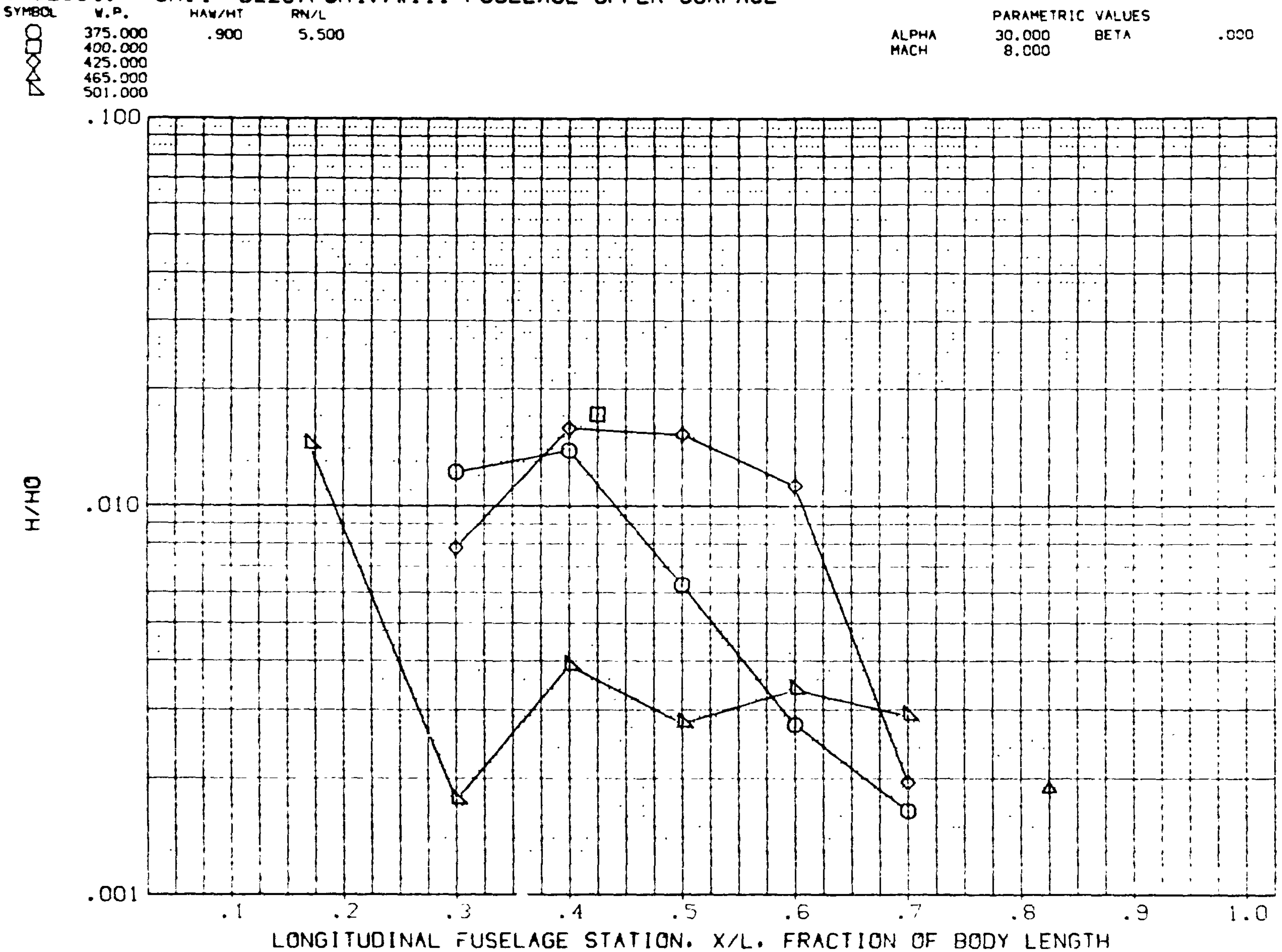


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

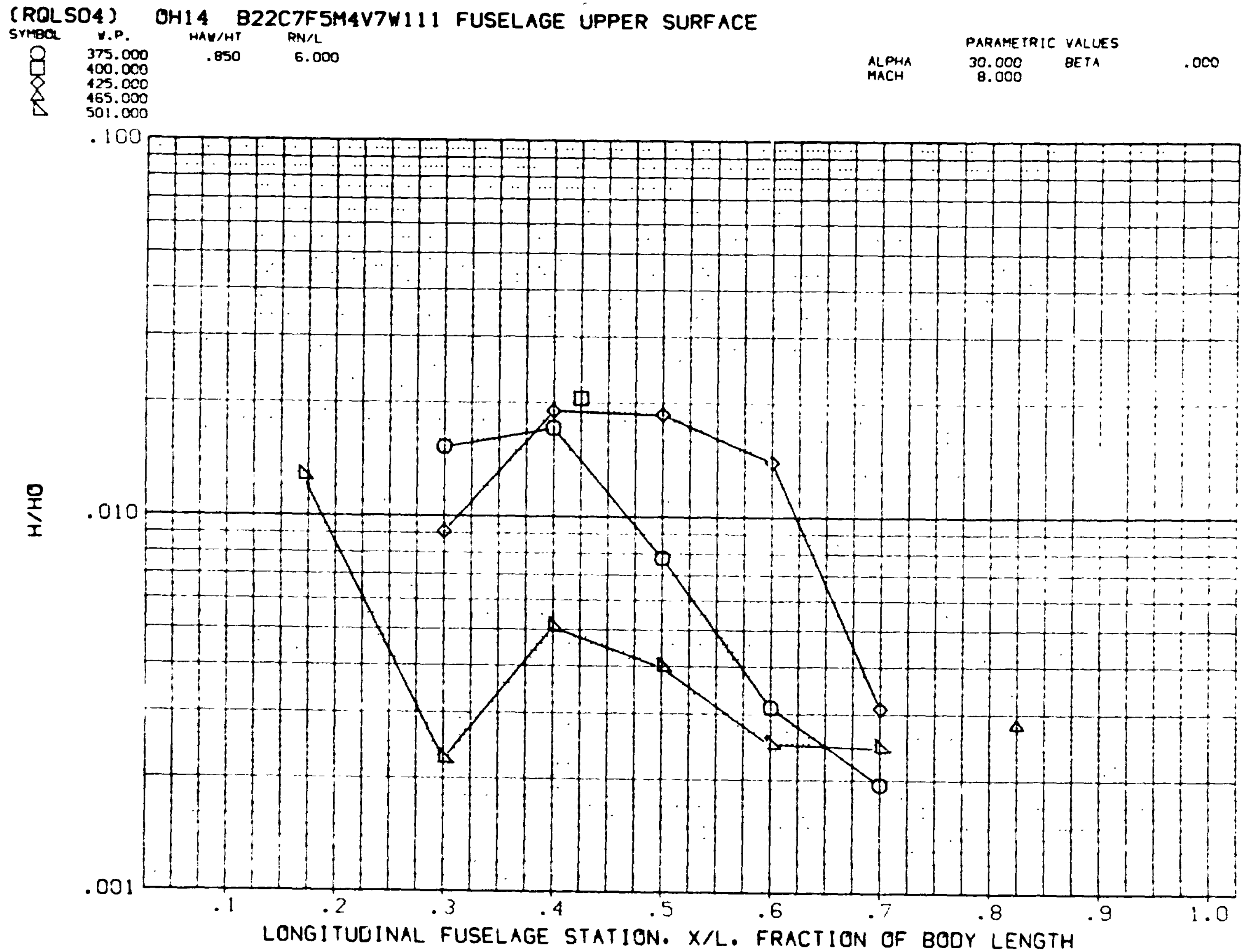


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

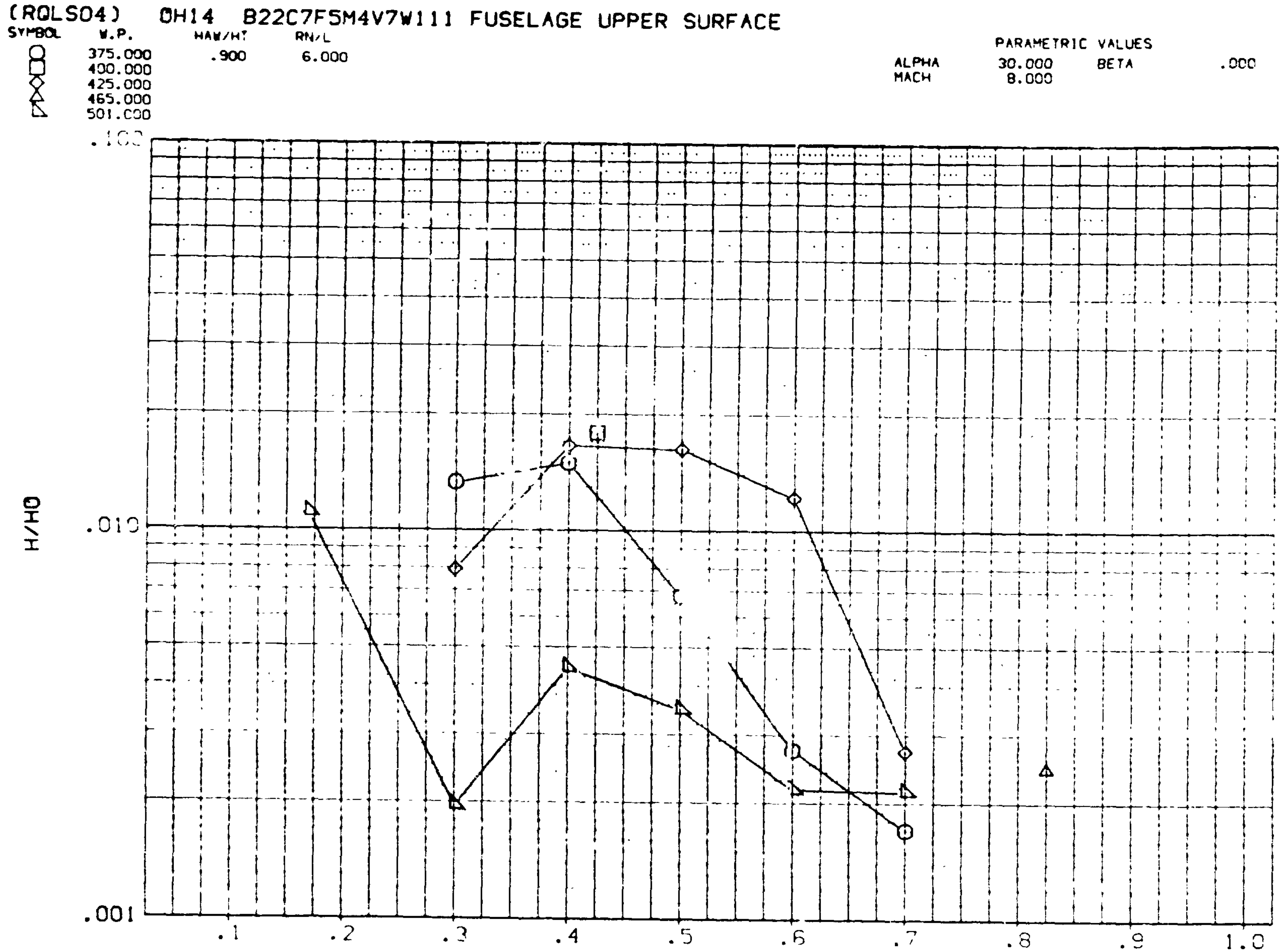


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

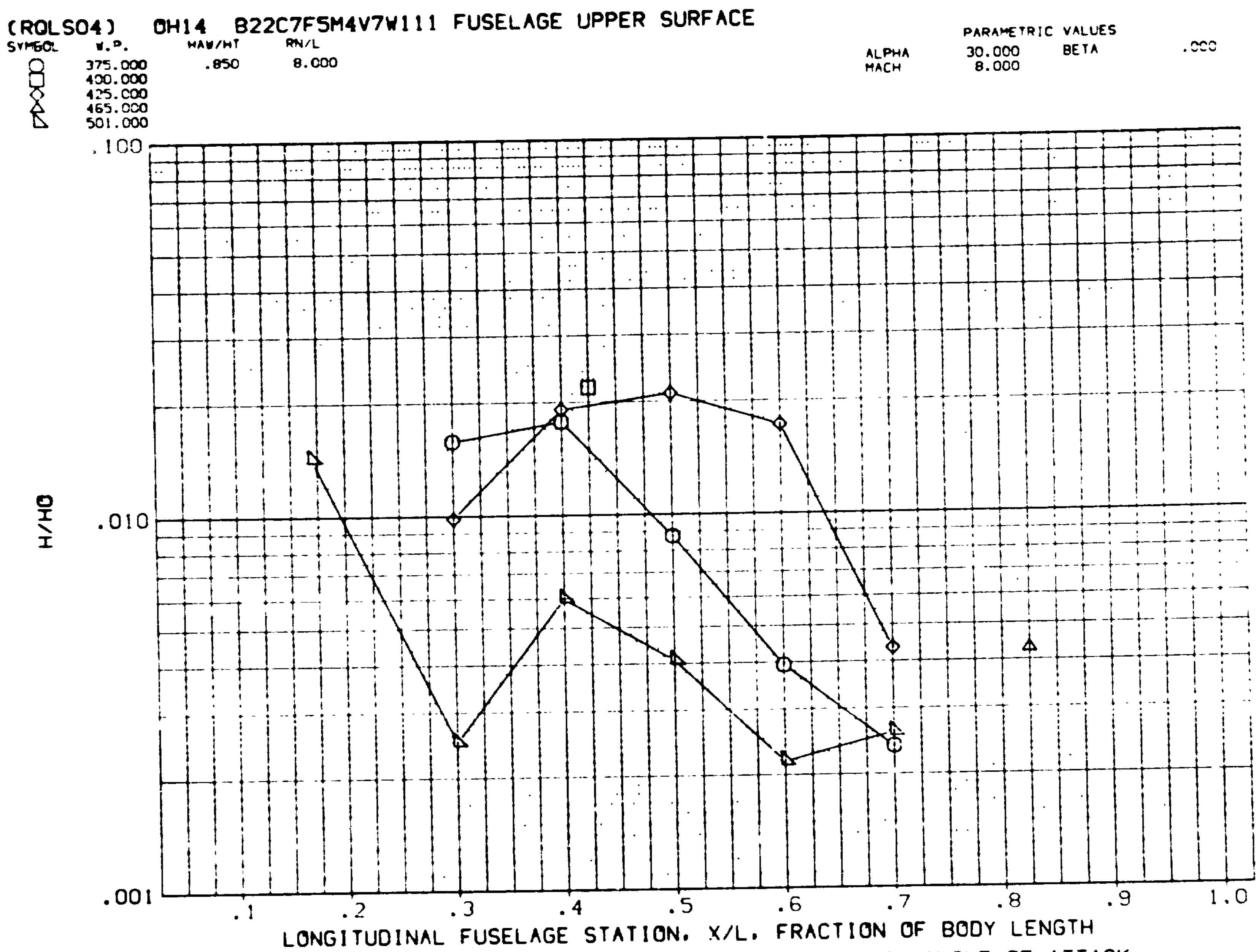


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

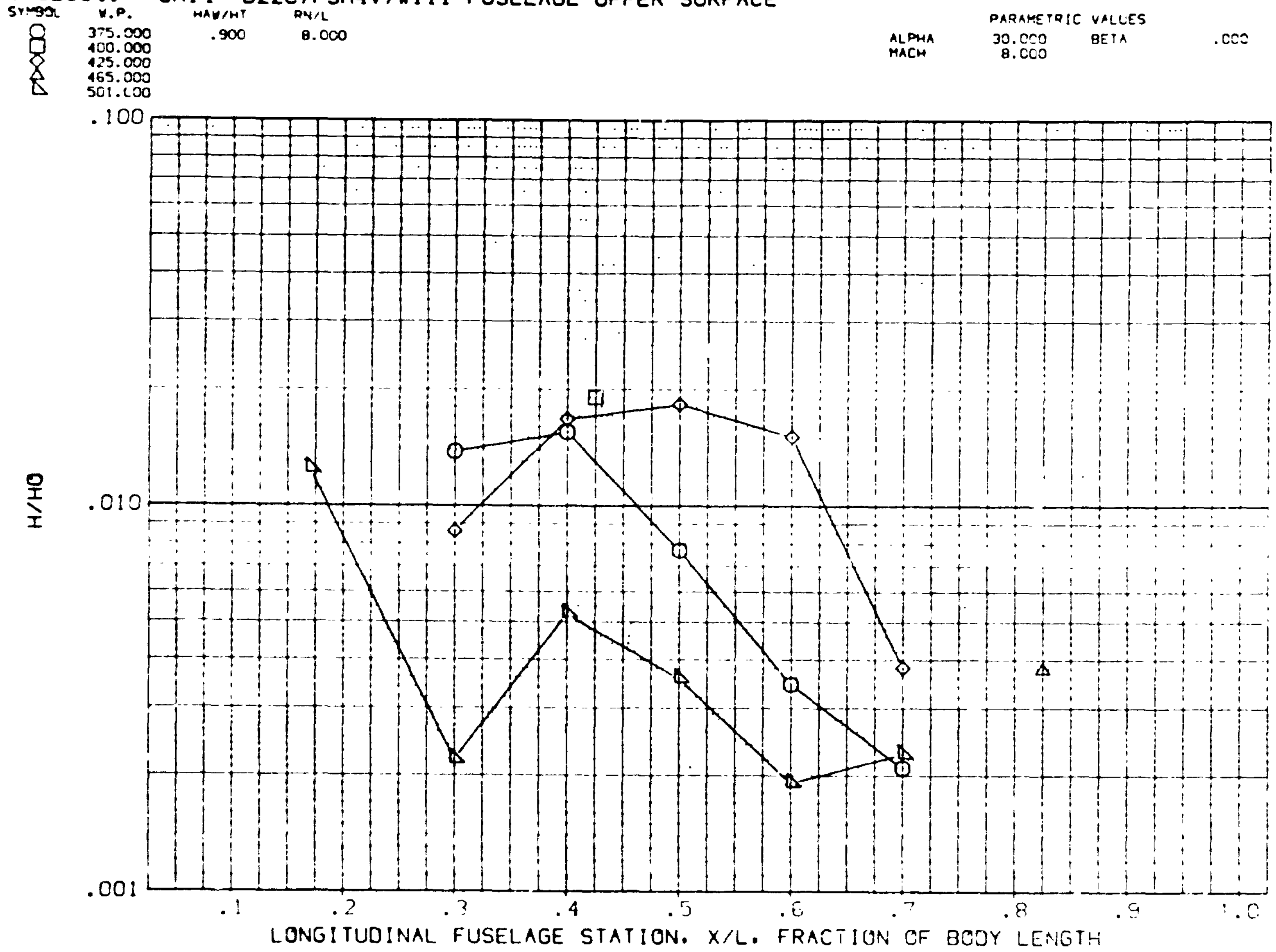


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

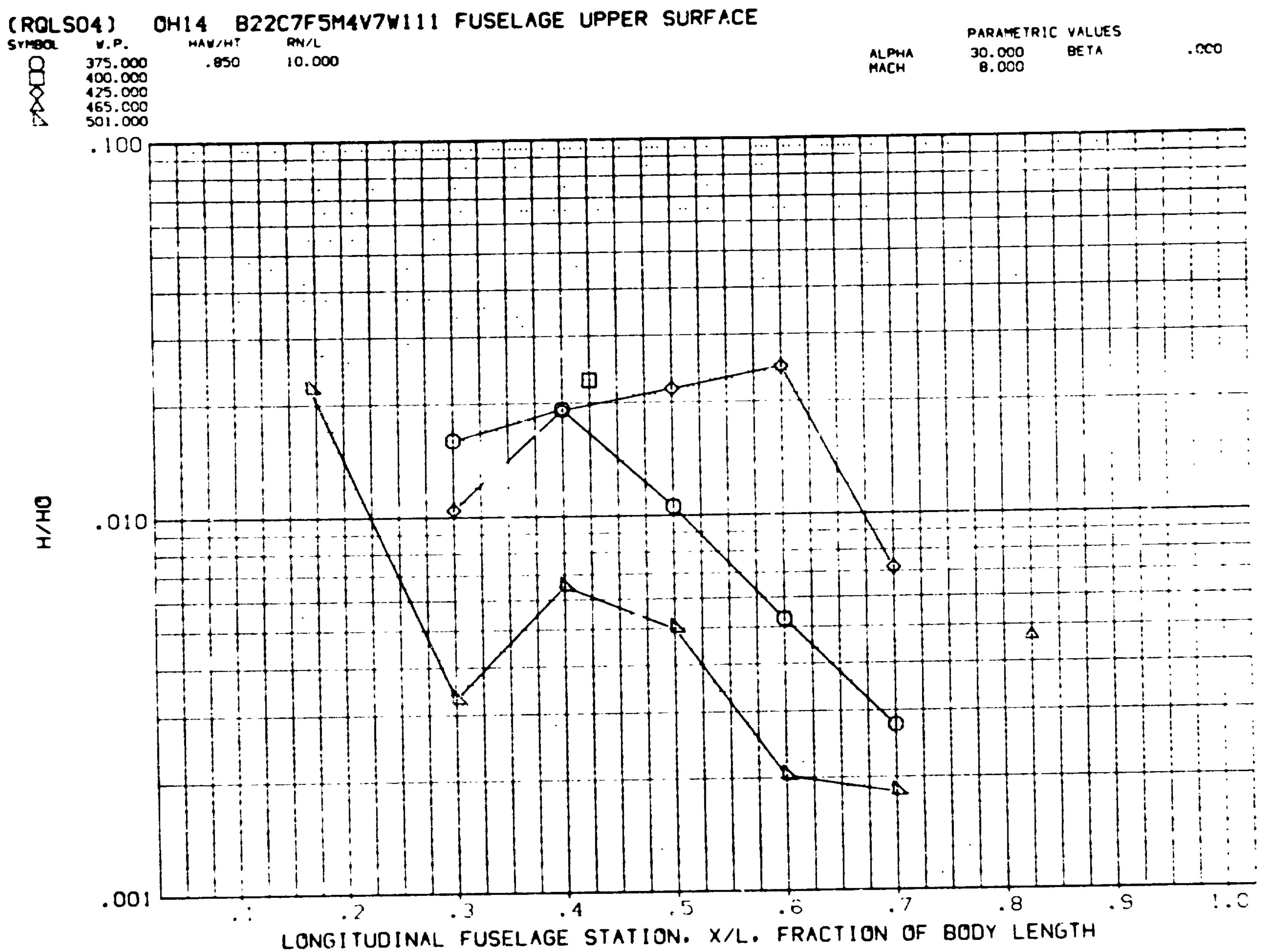


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

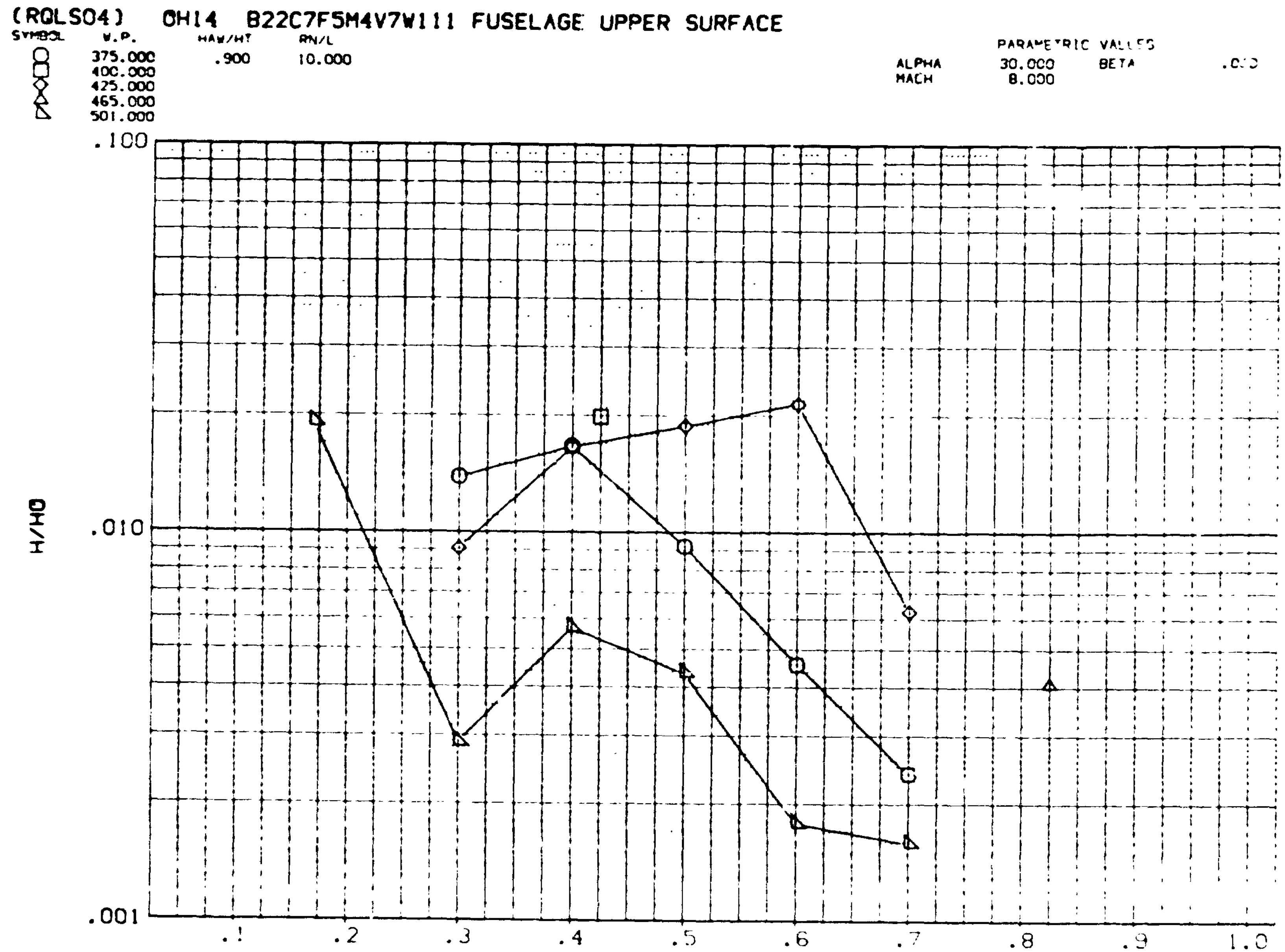


FIG 12 FUSELAGE UPPER SURFACE DISTRIBUTION AT 30 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

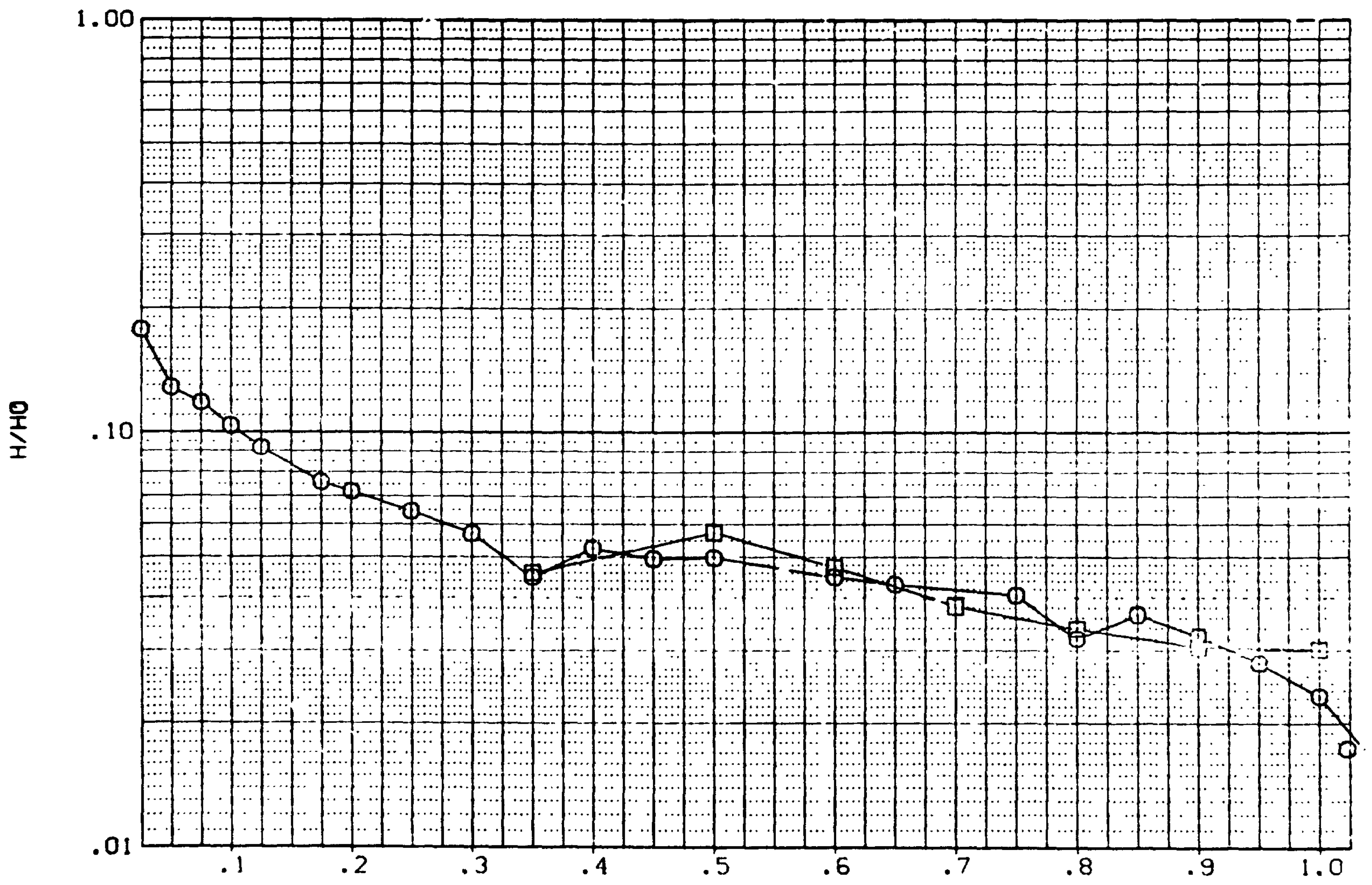


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	1.000
□	117.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

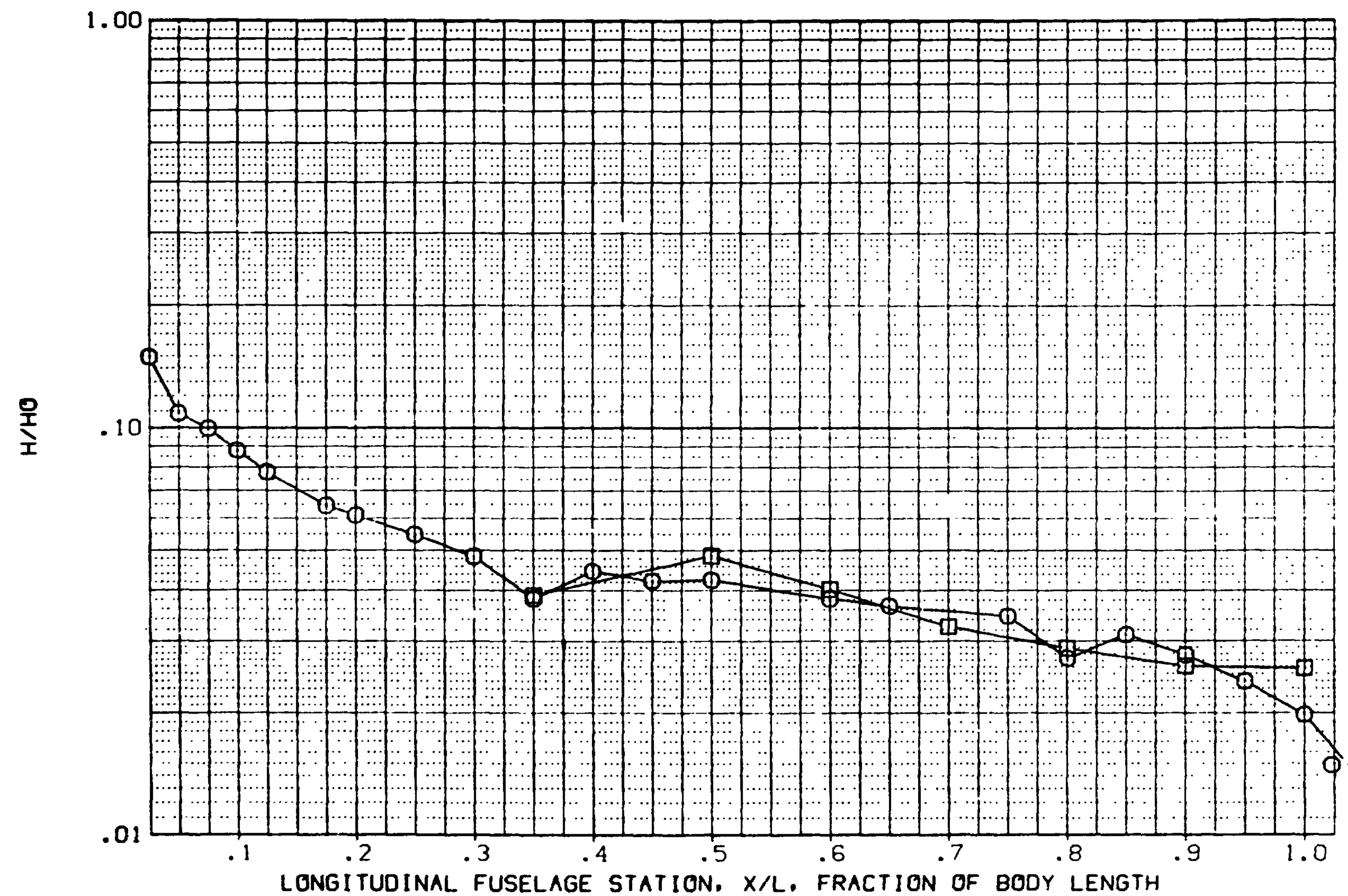


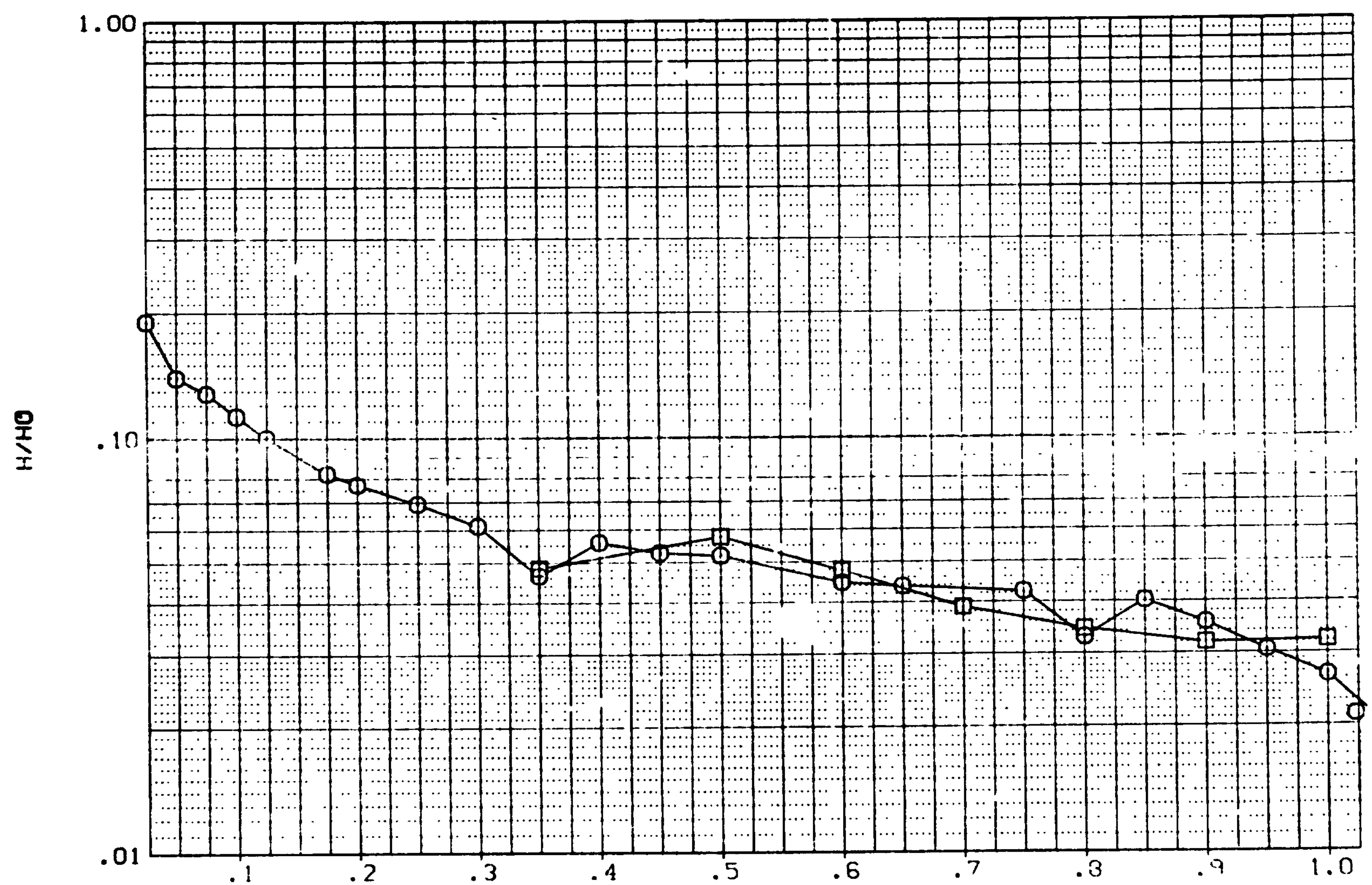
FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.850	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	3.000
□	117.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) 0H14 ?22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	PN/L
○	.000	.850	4.000
□	117.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

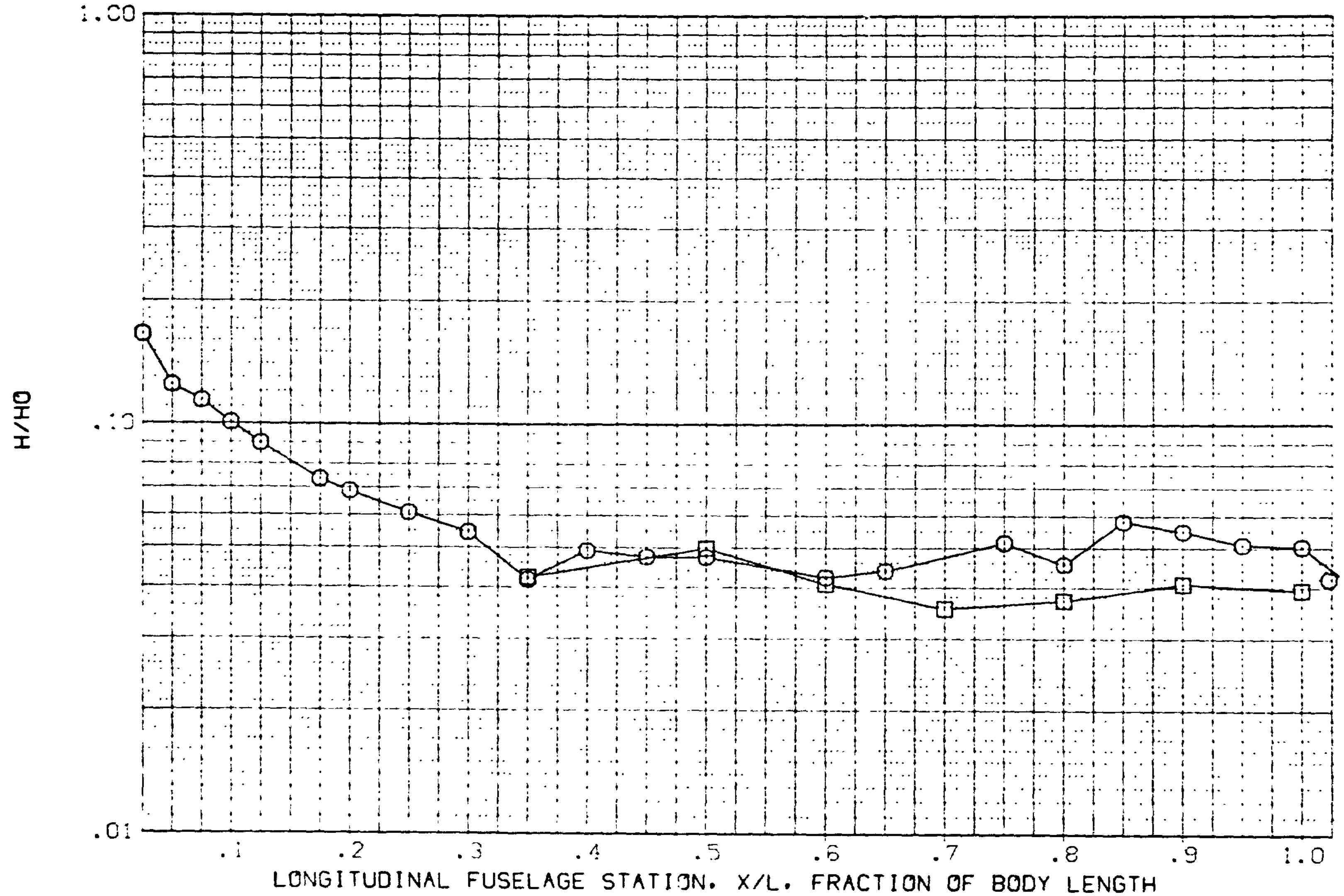


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/H	RN/L
○	.000	.900	4.000
□	117.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

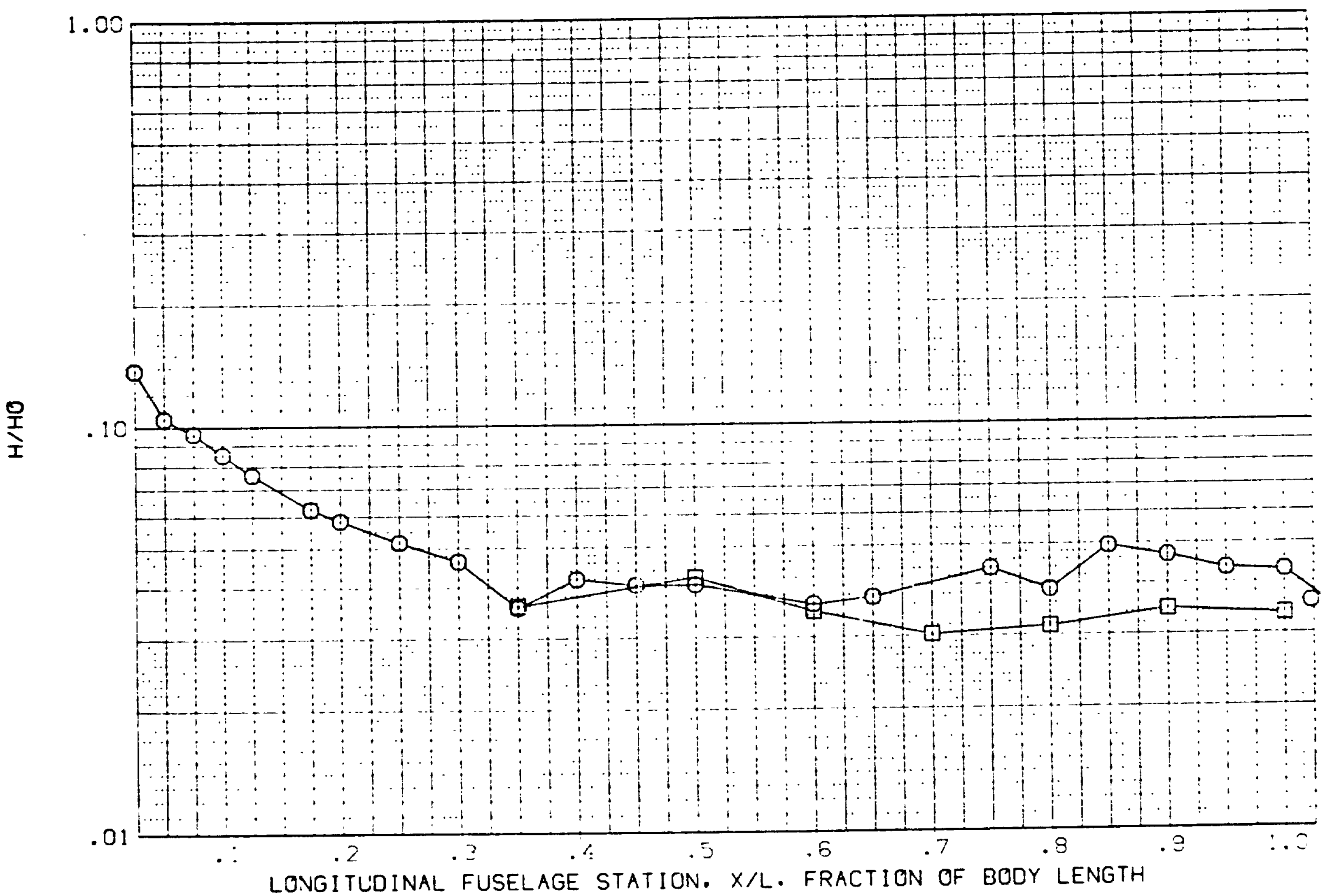


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	PN/L
○	.000	.850	5.000
□	117.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

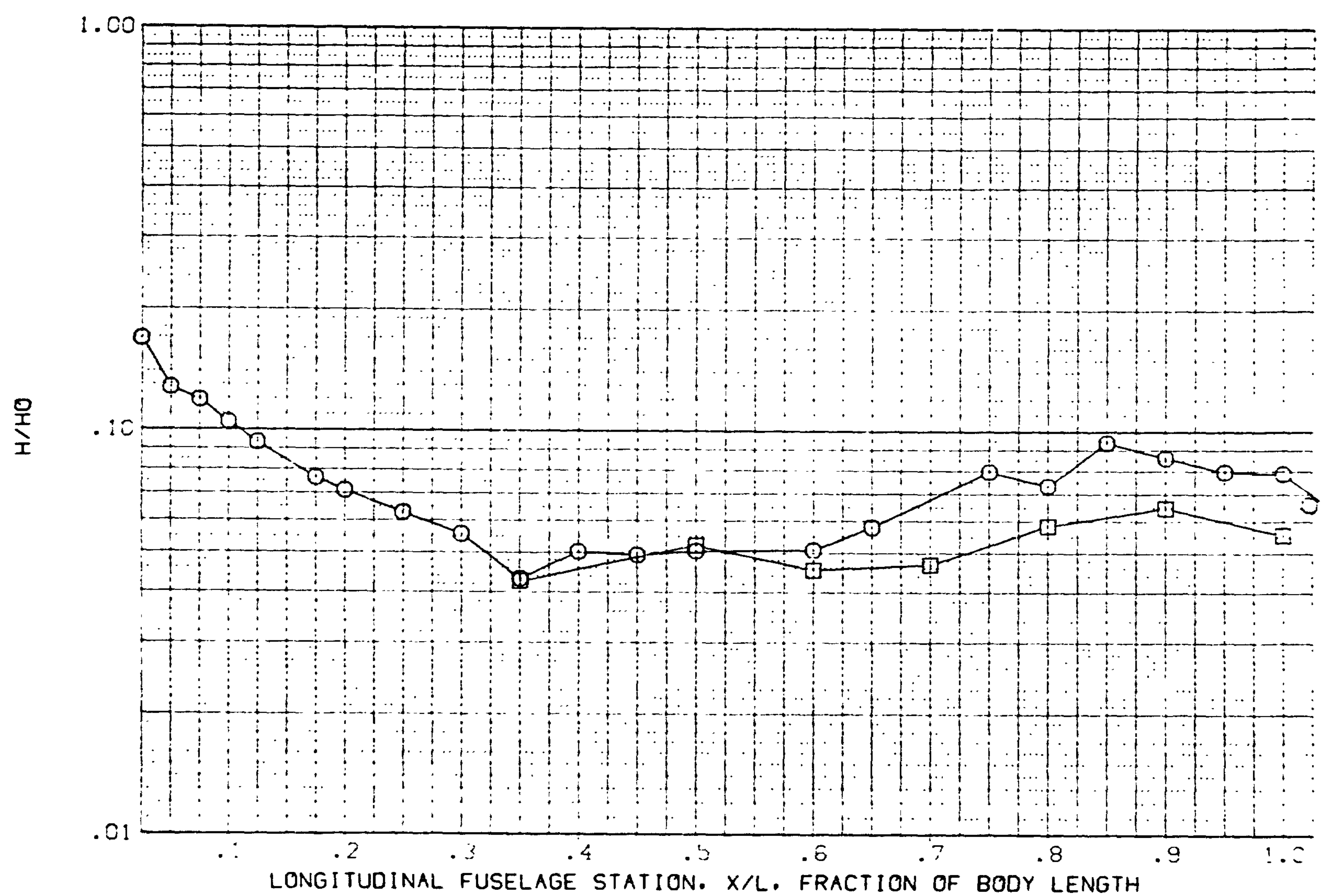


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	PW/L		PARAMETRIC VALUES		
○	.000	.900	5.000	ALPHA	35.000	BETA	.000
□	117.000			MACH	8.000		

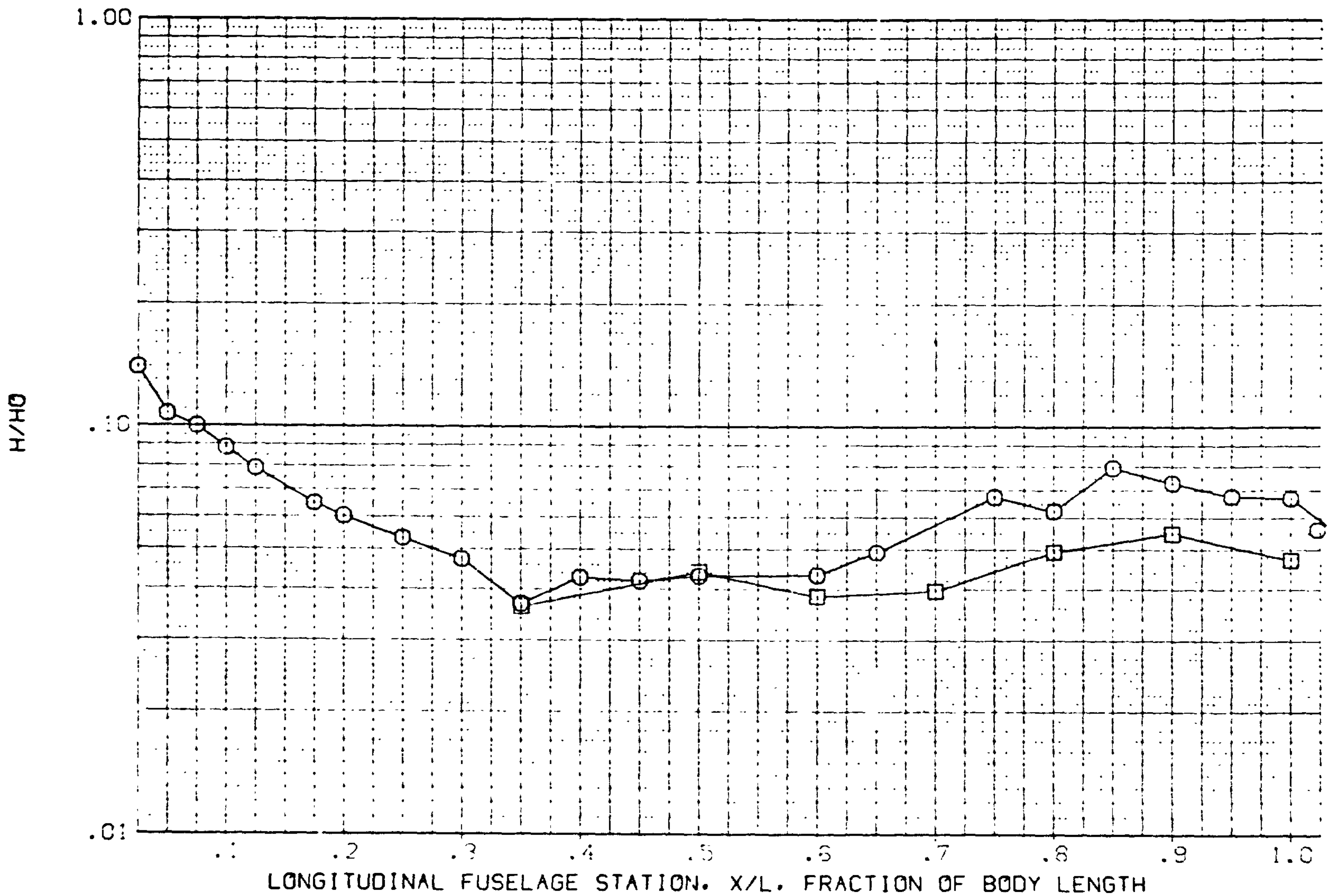


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

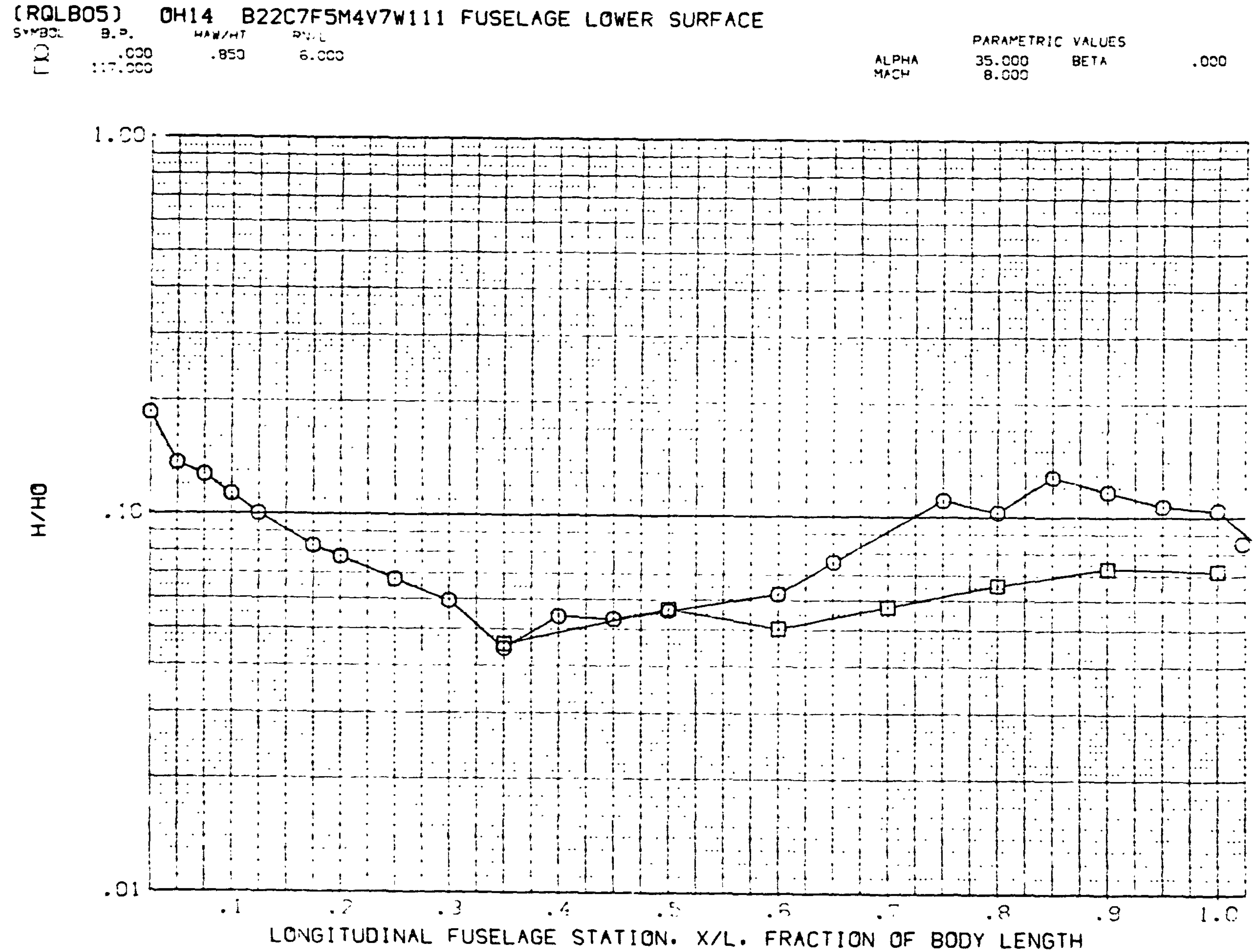


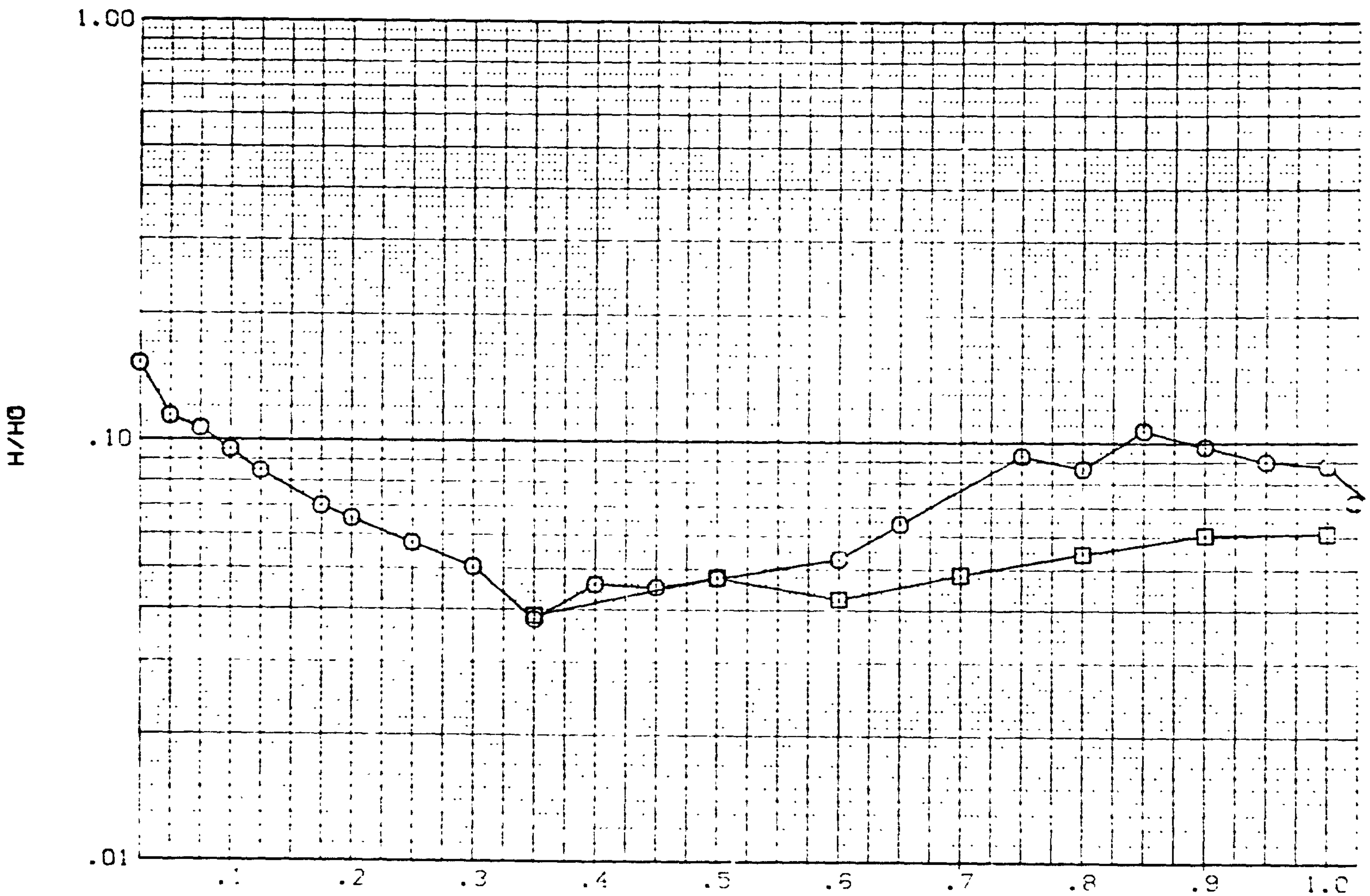
FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HM/HT	RN/L
○	.000	.900	6.000
□	117.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000



LONGITUDINAL FUSELAGE STATION. X/L. FRACTION OF BODY LENGTH

FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

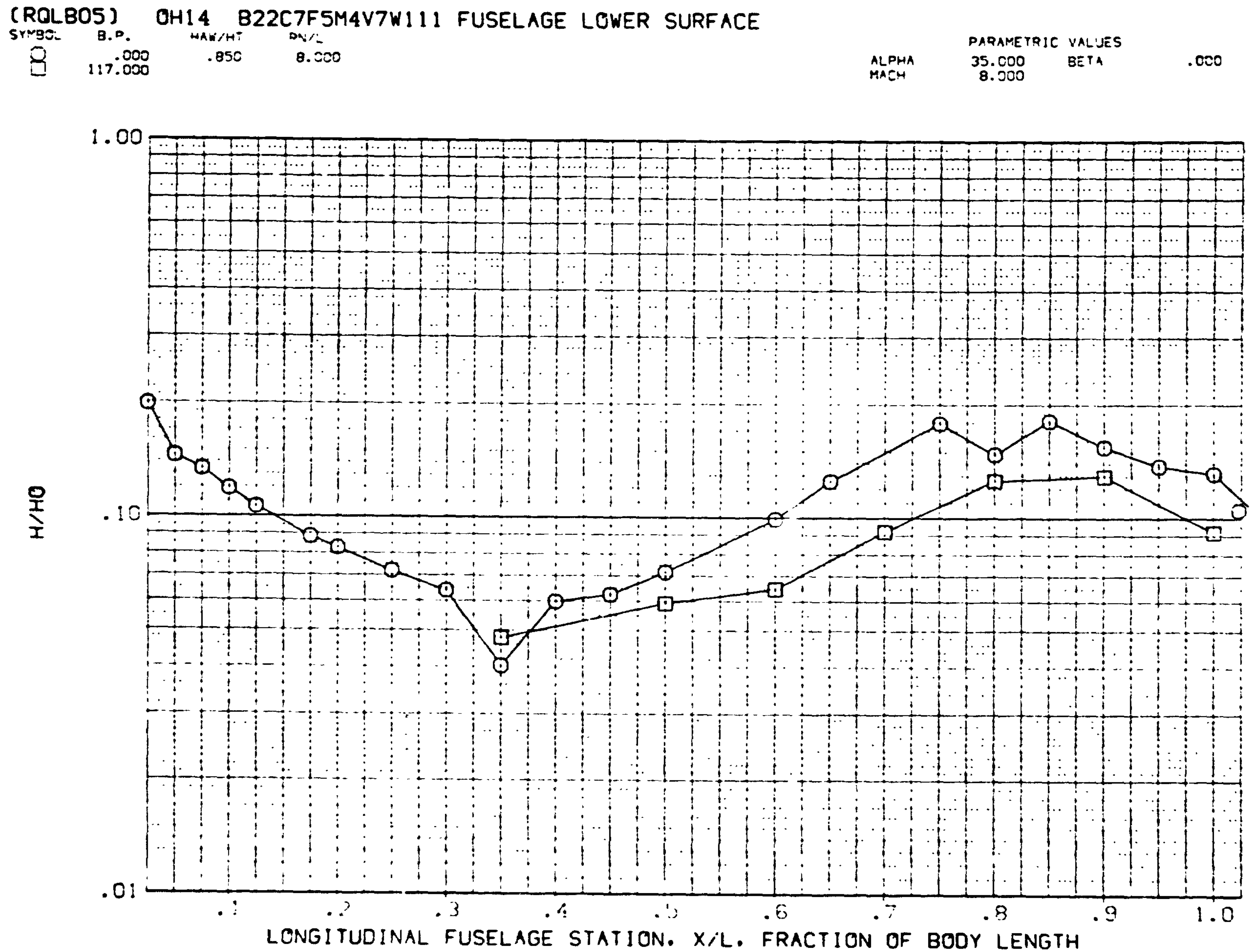


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	B.P.	HAW/HT	RN/L
○	.000	.900	8.000
□	117.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

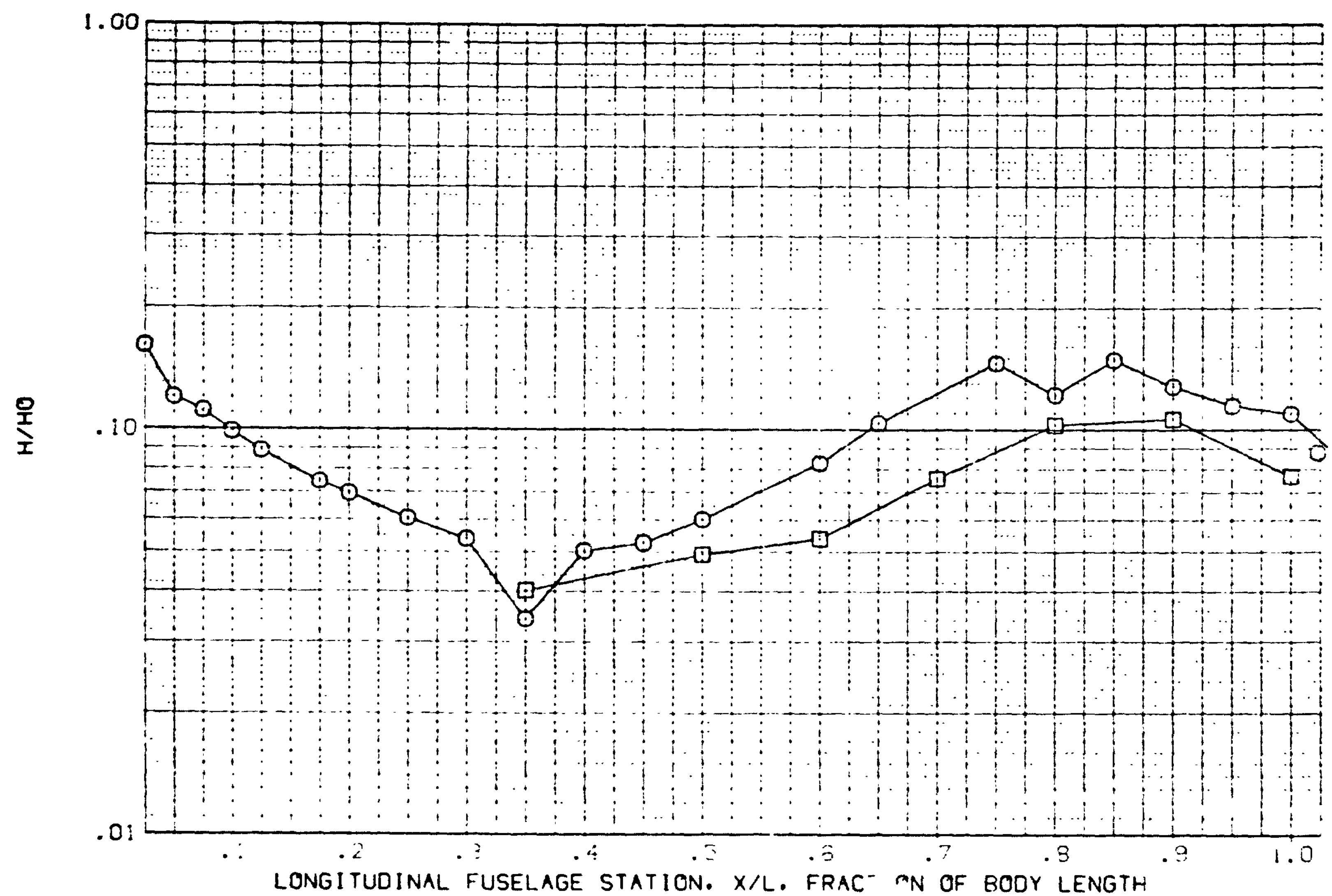


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

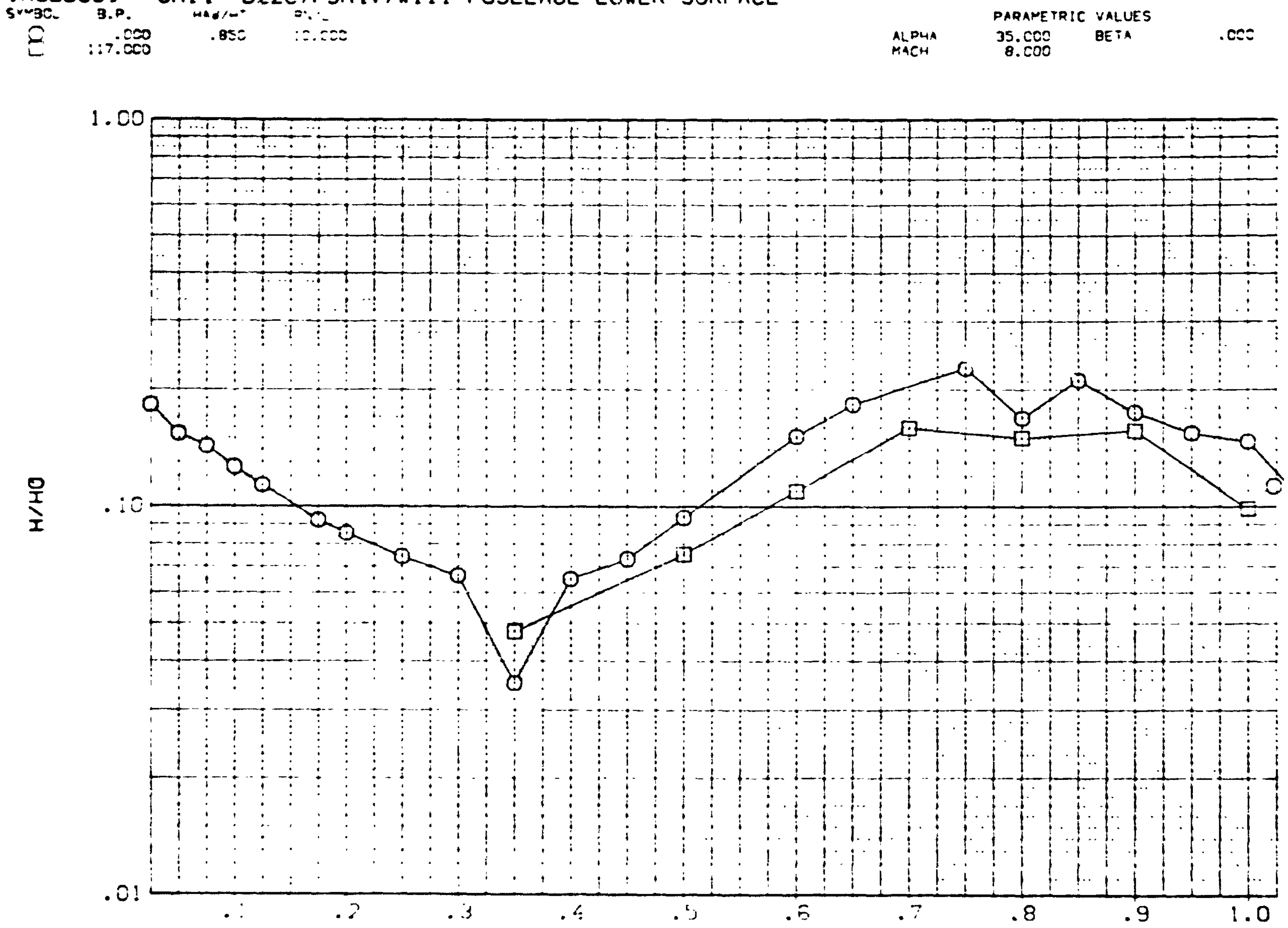


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

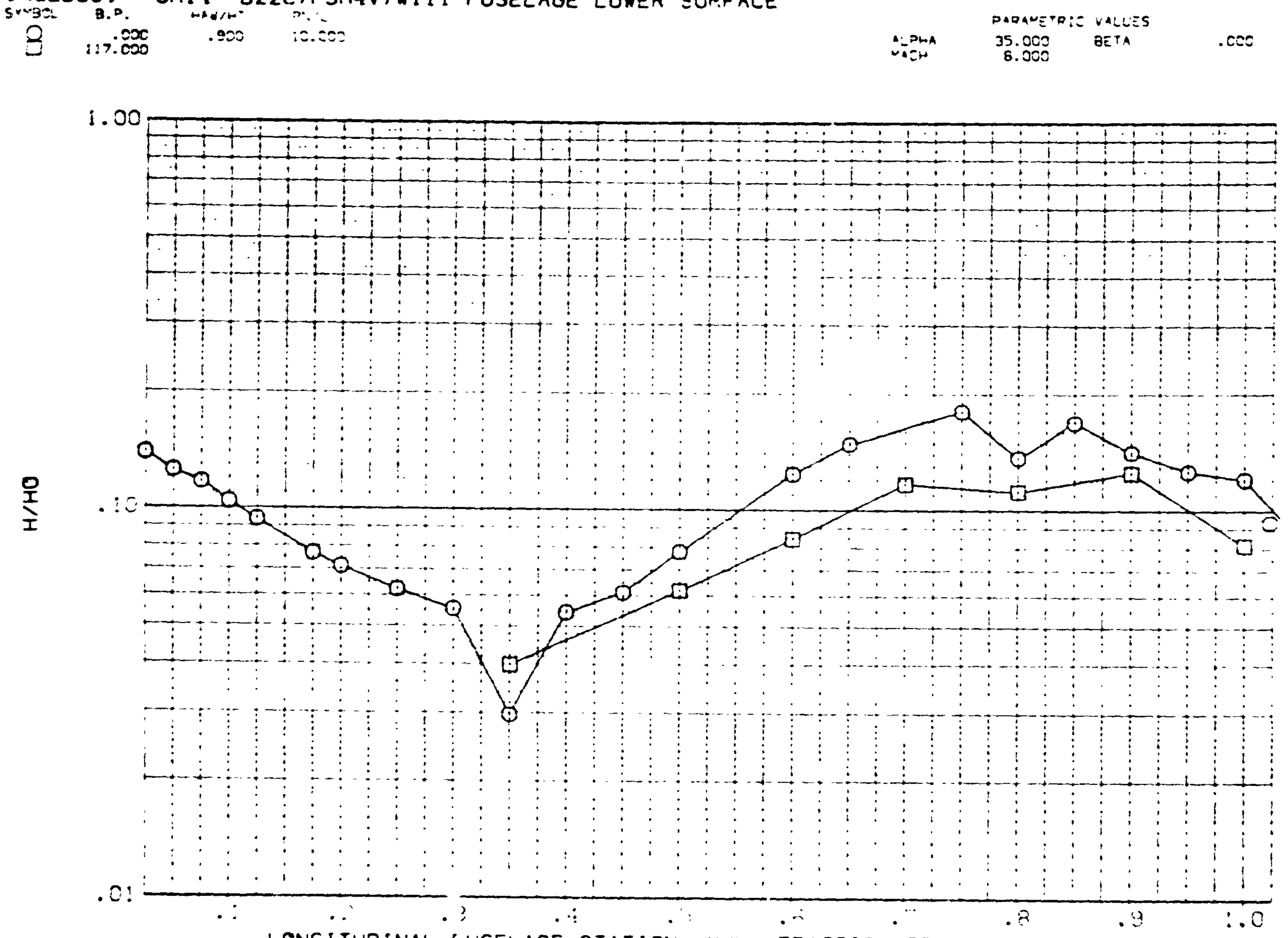


FIG 13 FUSELAGE LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	1.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

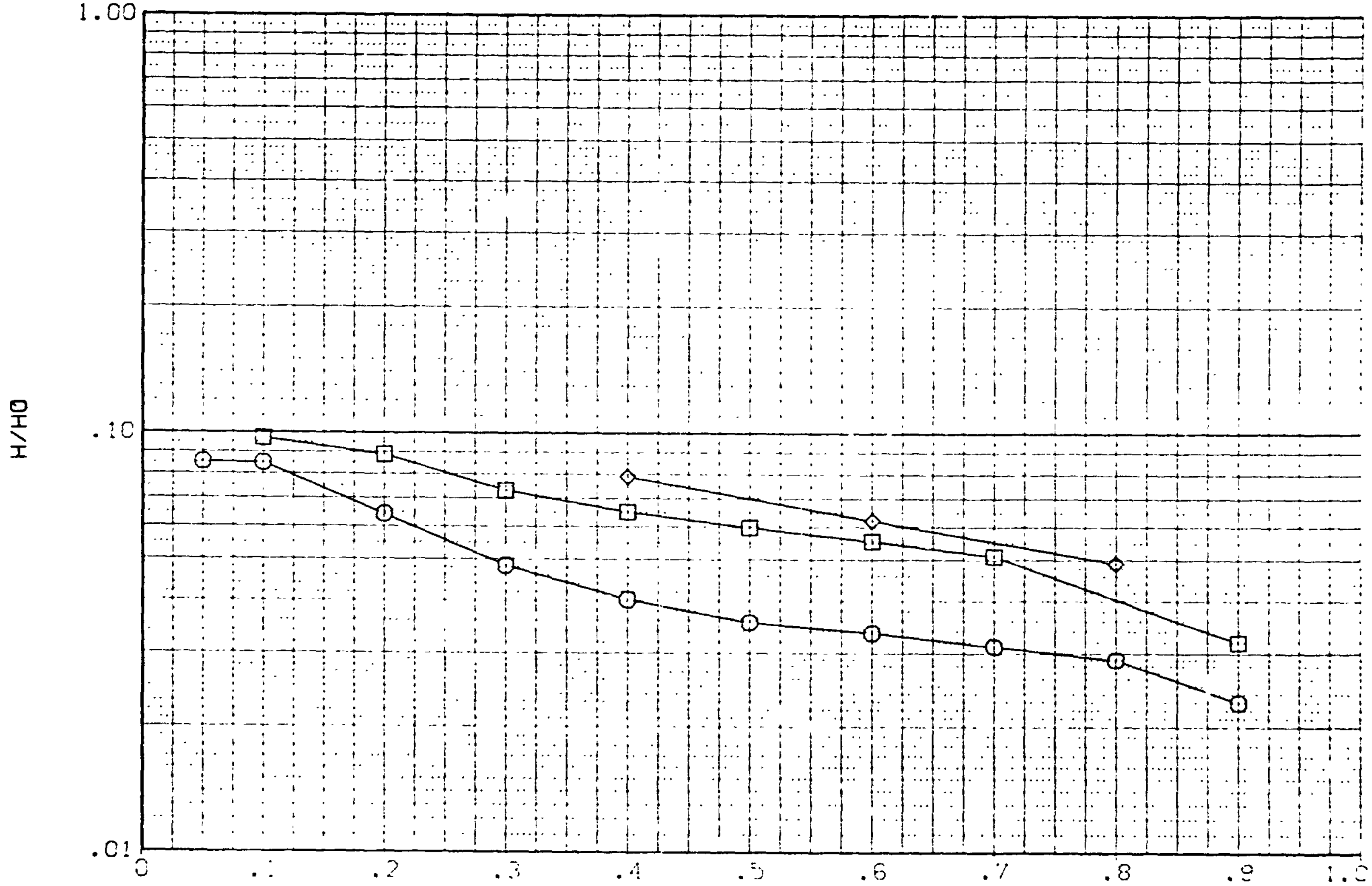


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

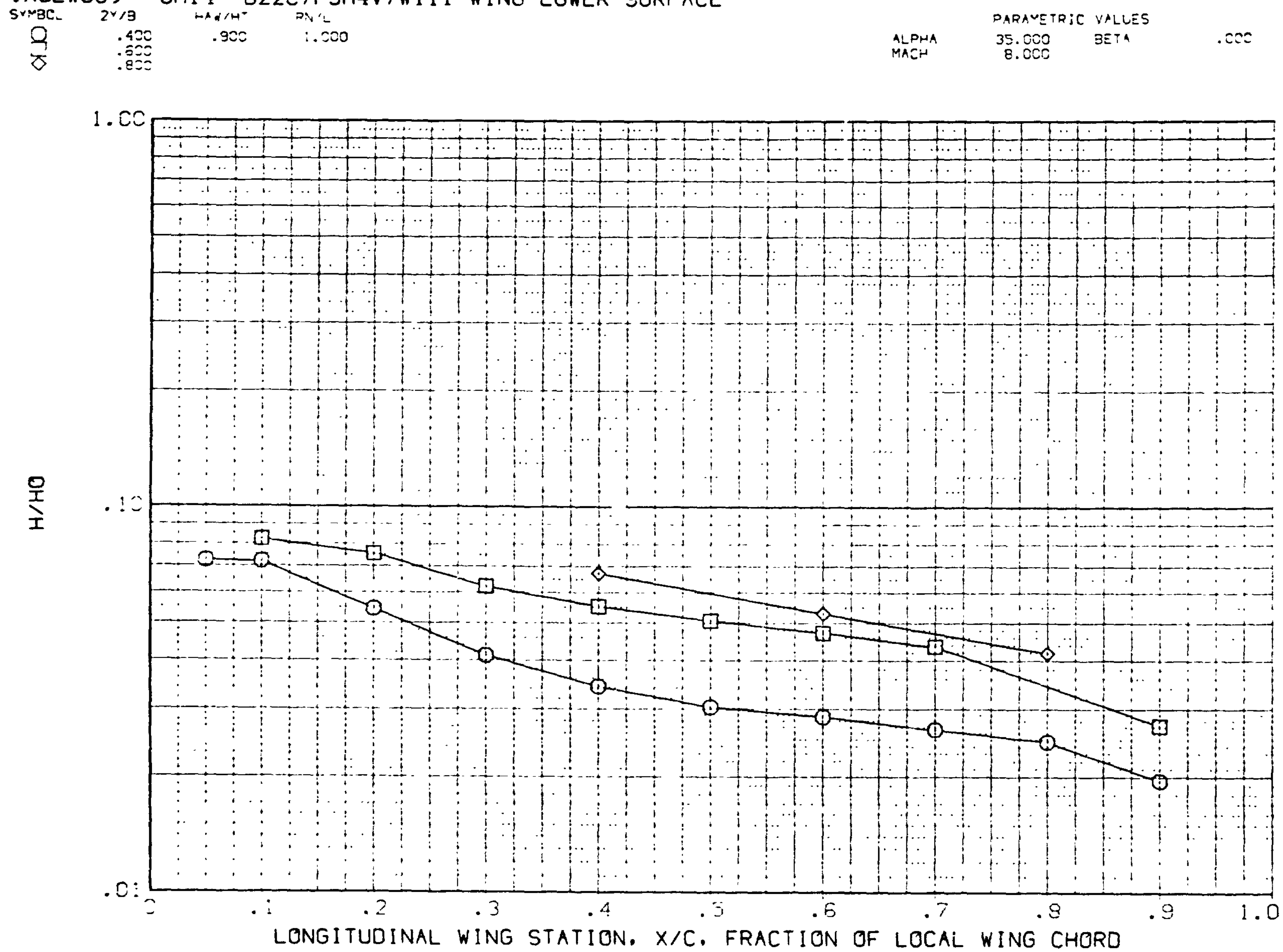


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L
○	.400	.850	3.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

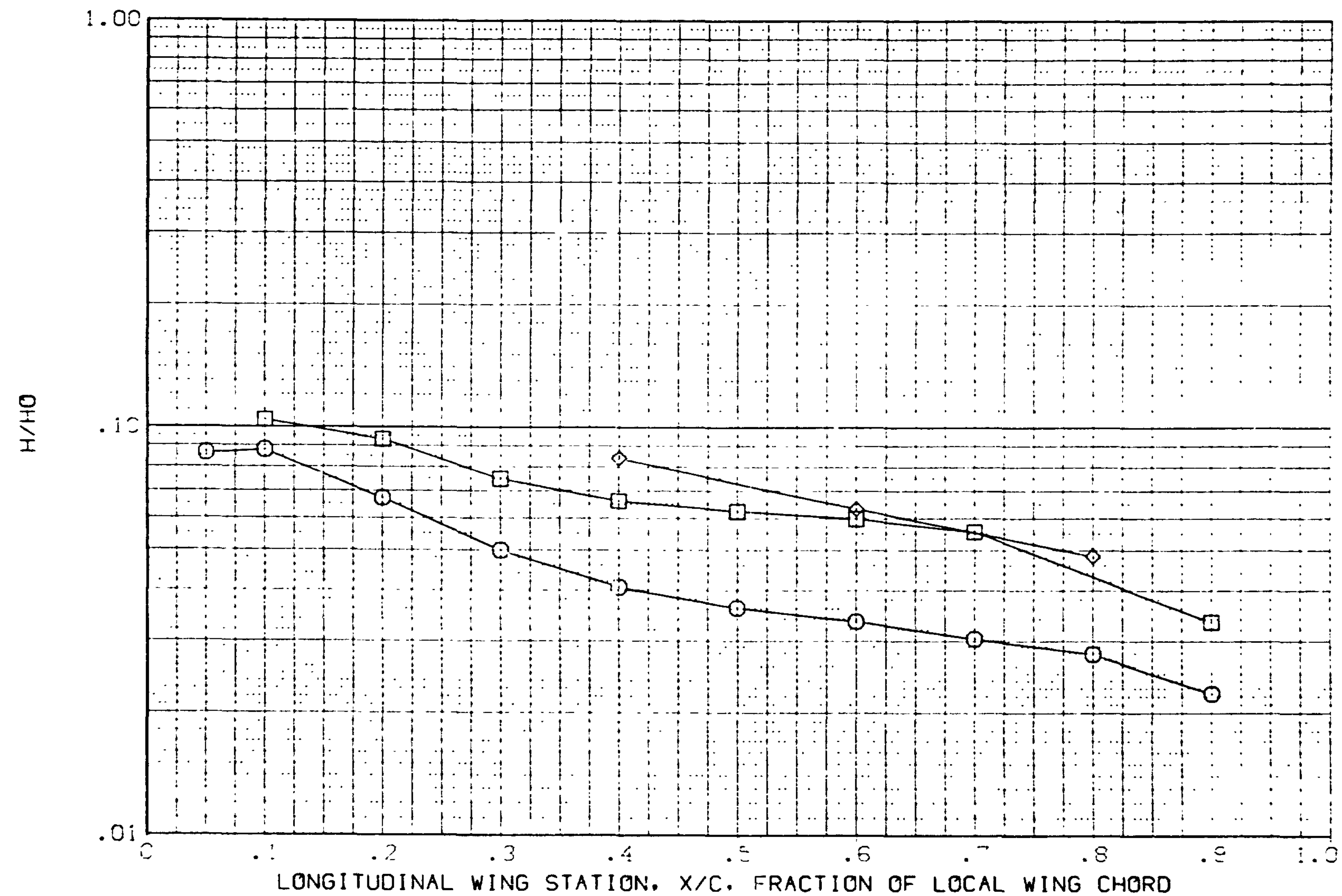


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	RN/L		PARAMETRIC VALUES		
○	.400	.900	3.000	ALPHA	35.000	BETA	.000
□	.600			MACH	8.000		
◇	.800						

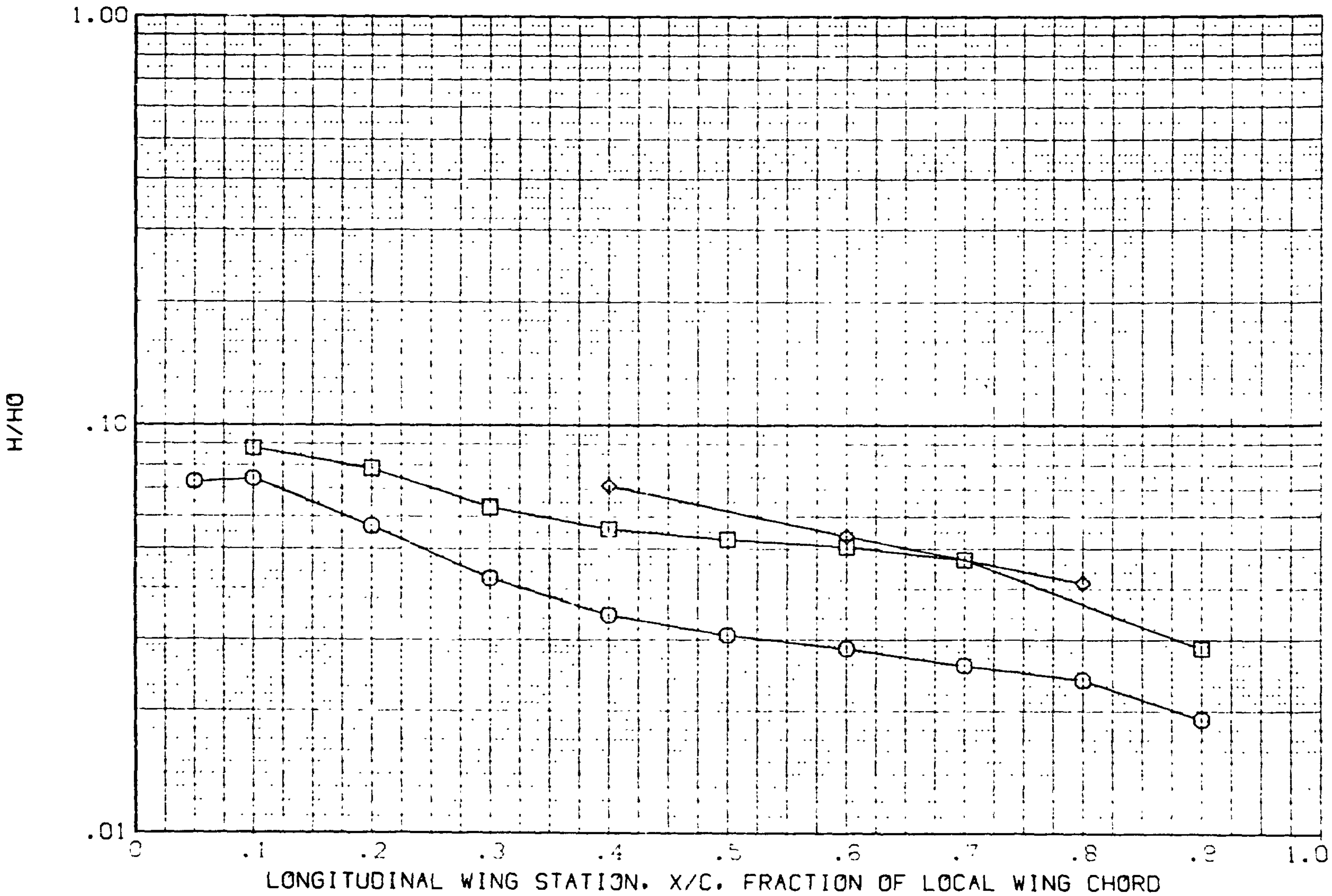


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

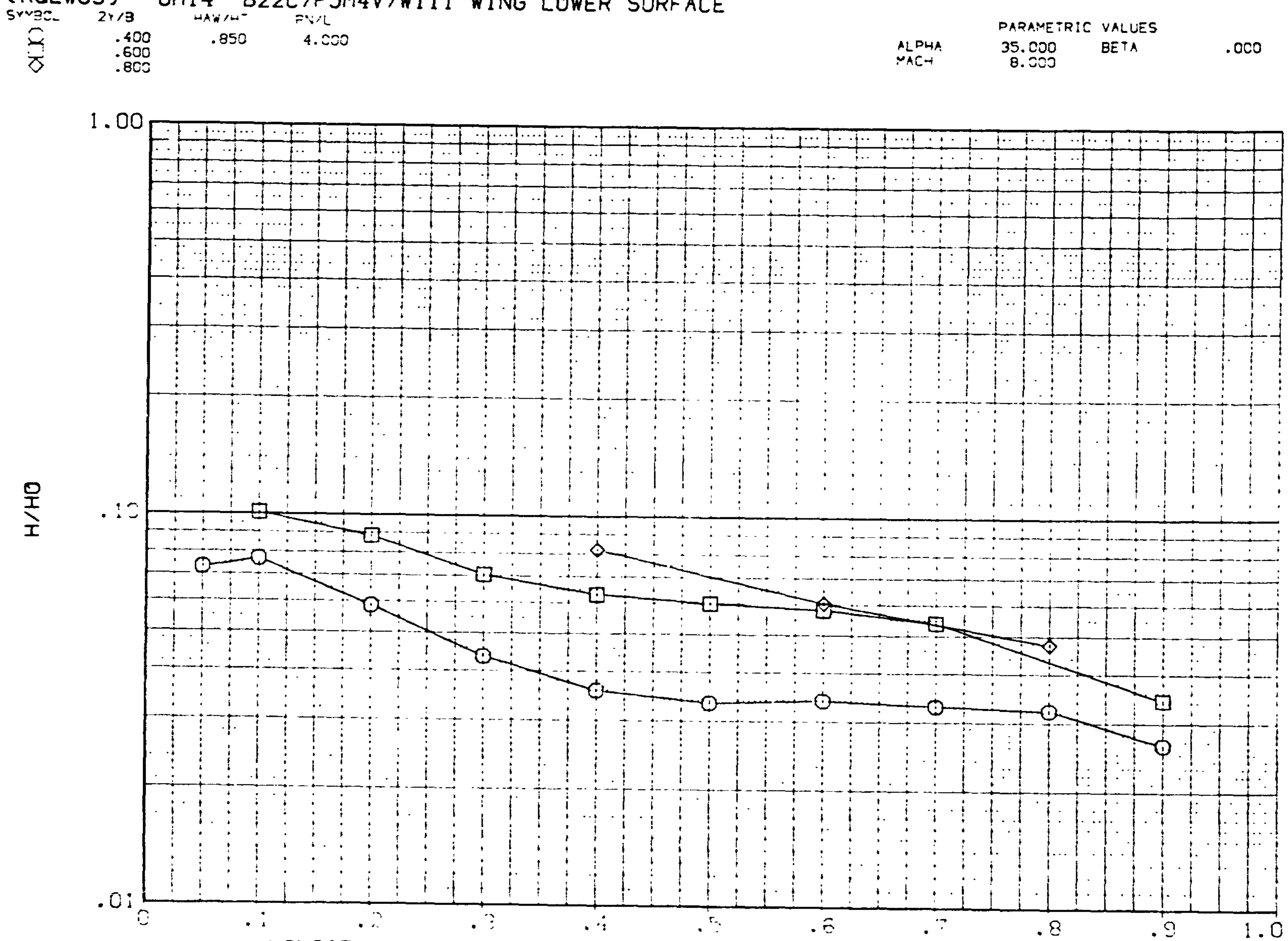


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/HT	PN/L
○	.400	.900	4.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

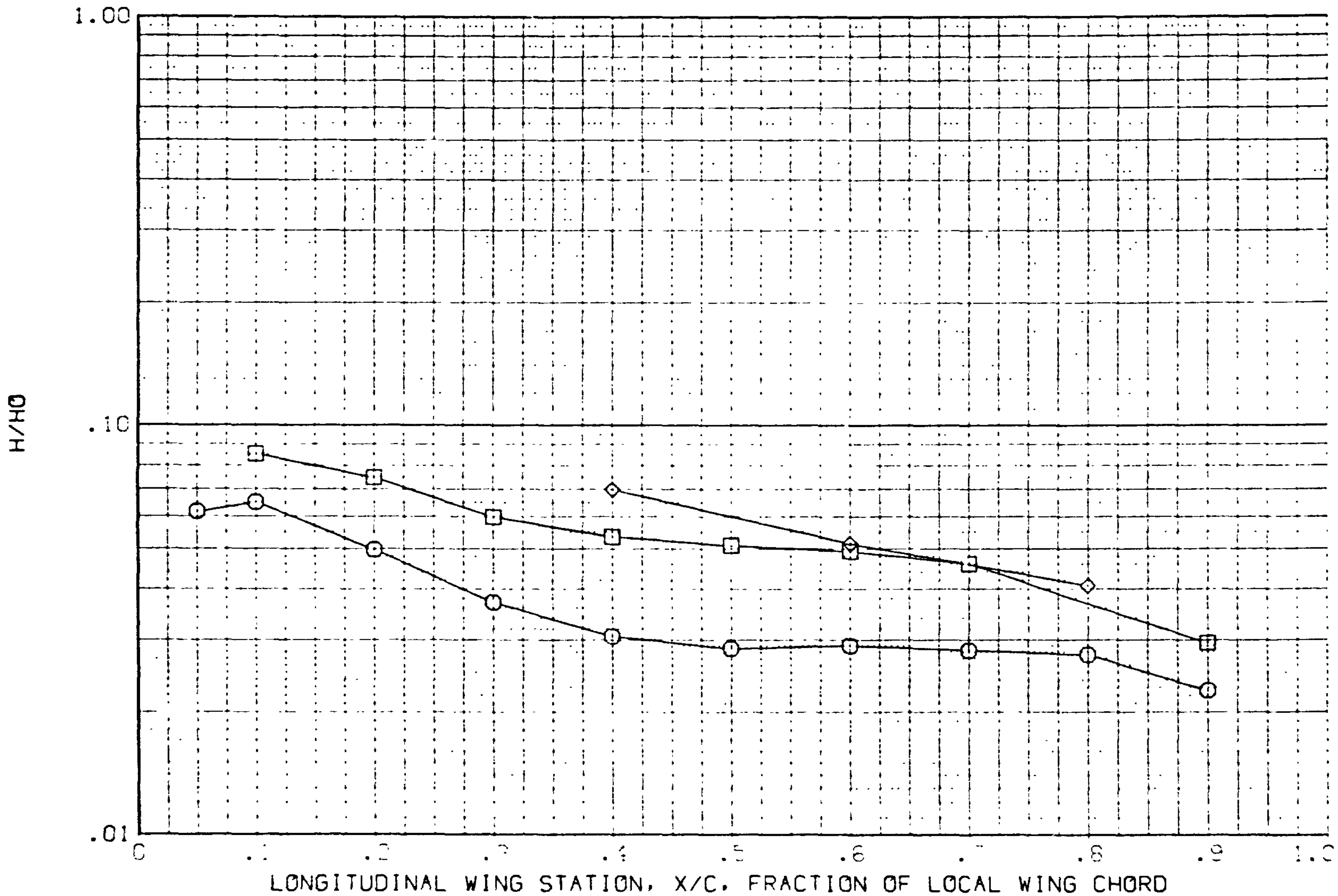


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

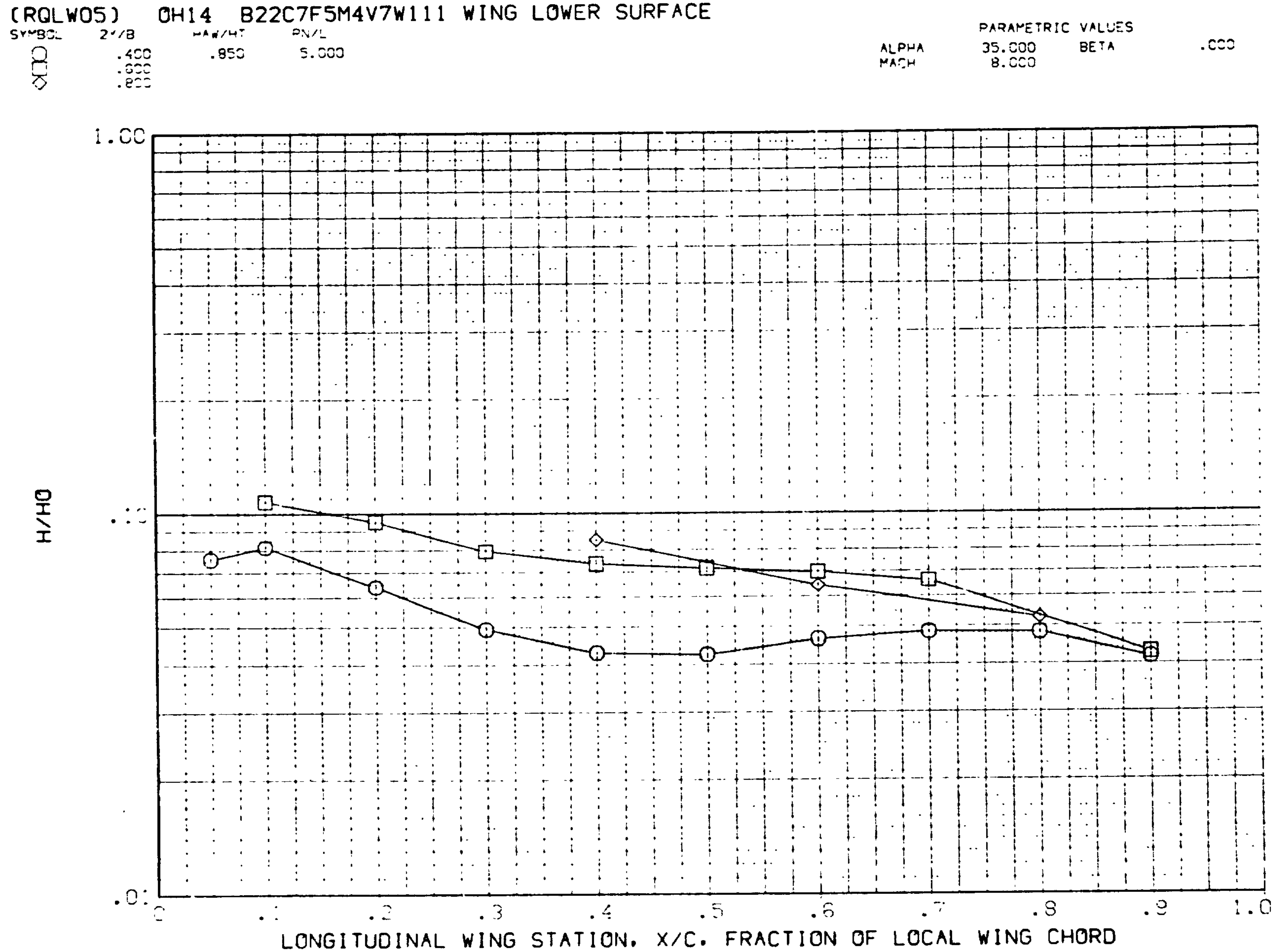


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

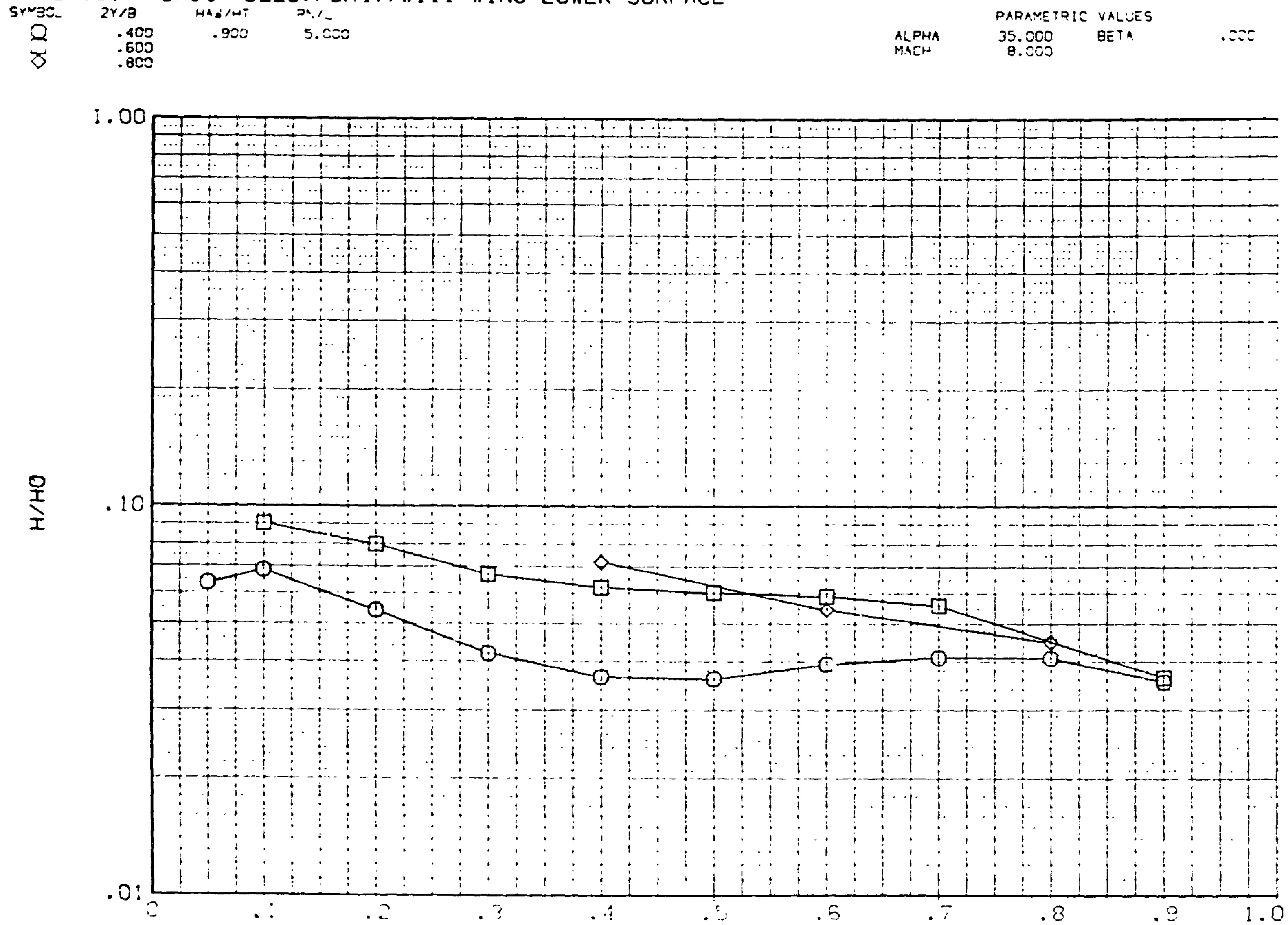


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HAW/H*	RN/L
○	.400	.850	6.000
□	.600		
◇	.800		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

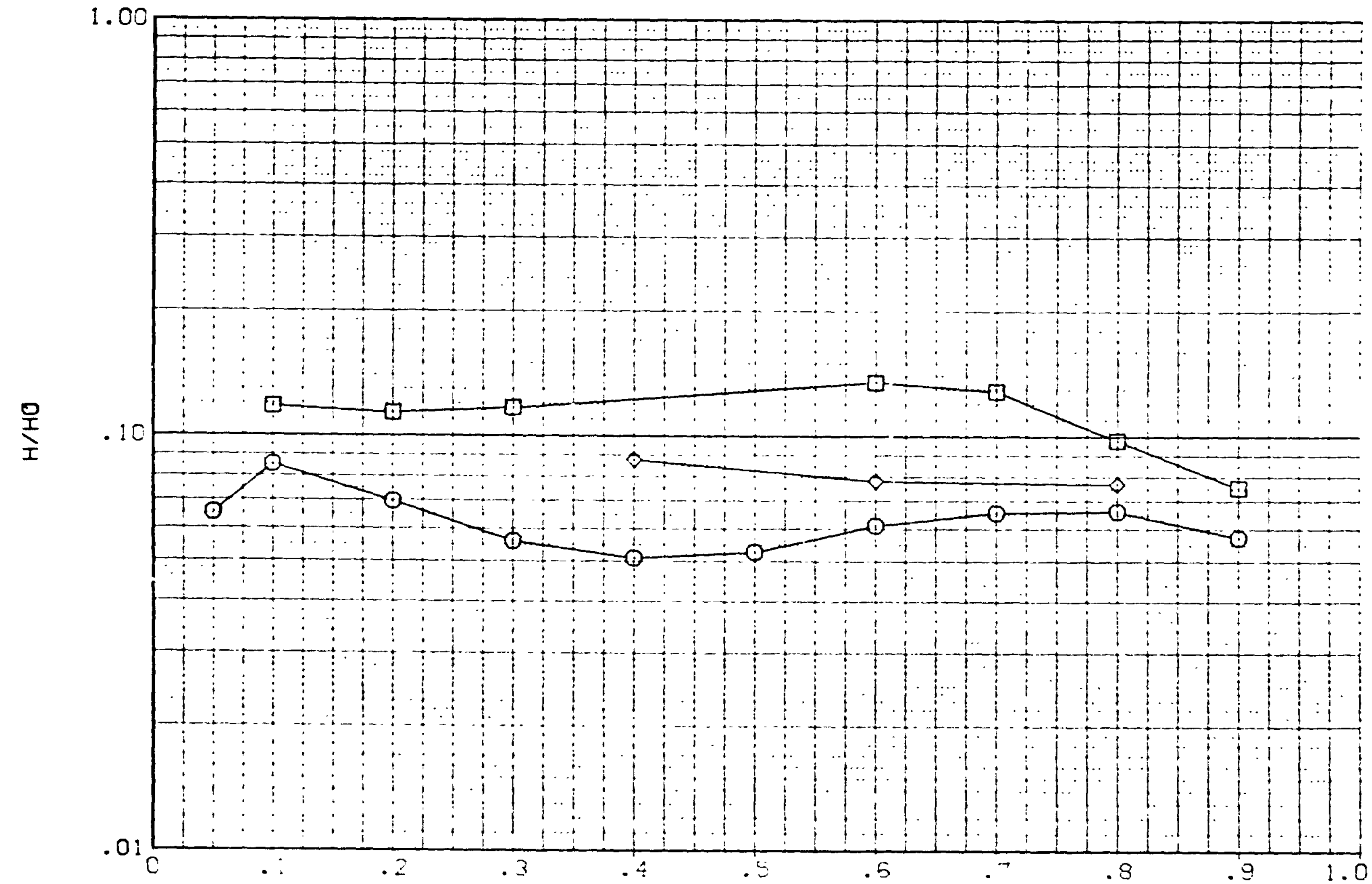


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	2Y/B	HA/HT	PN/L		PARAMETRIC VALUES		
○	.400	.900	6.000	ALPHA	35.000	BETA	.000
□	.600			MACH	8.000		
◇	.800						

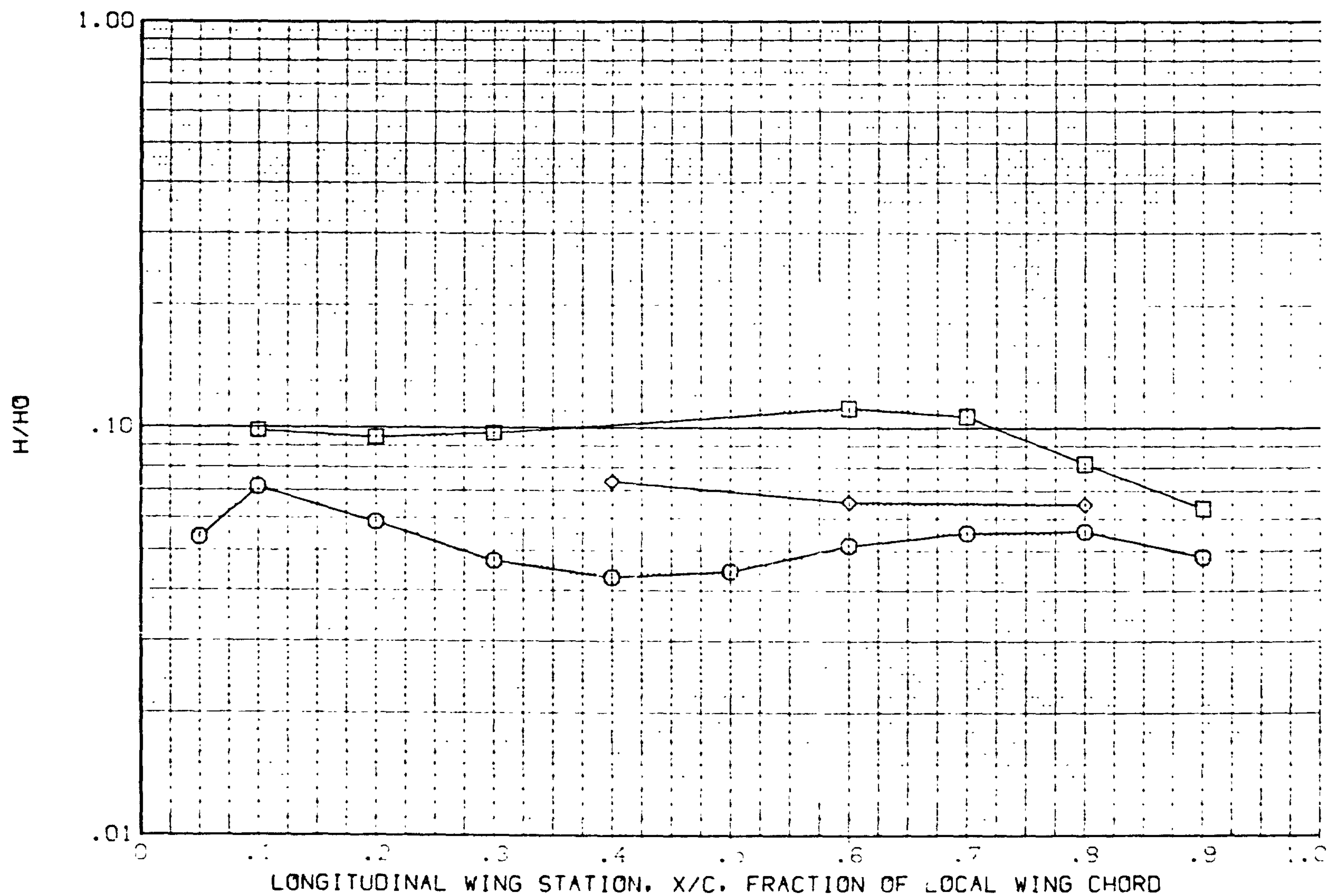


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

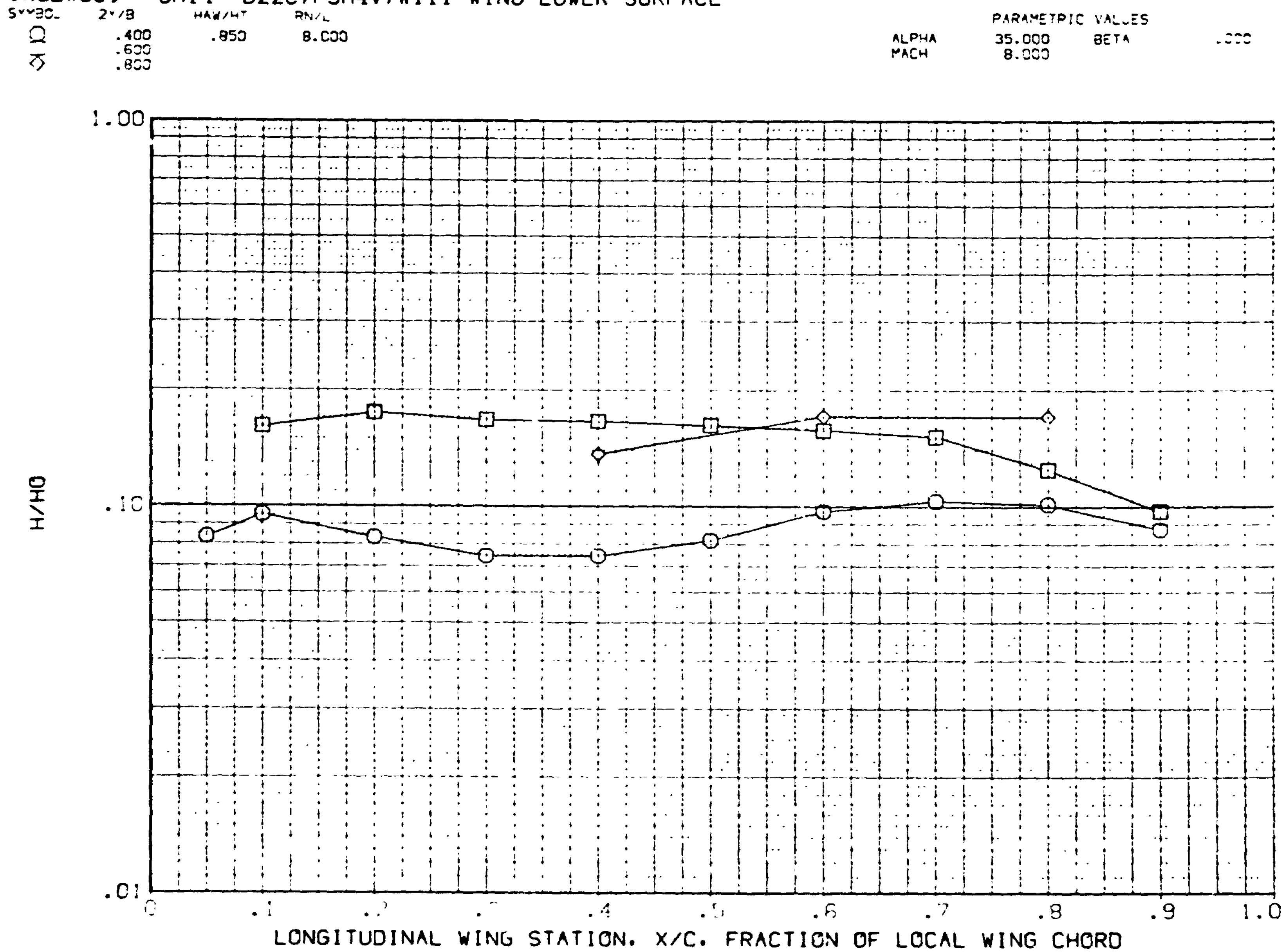


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

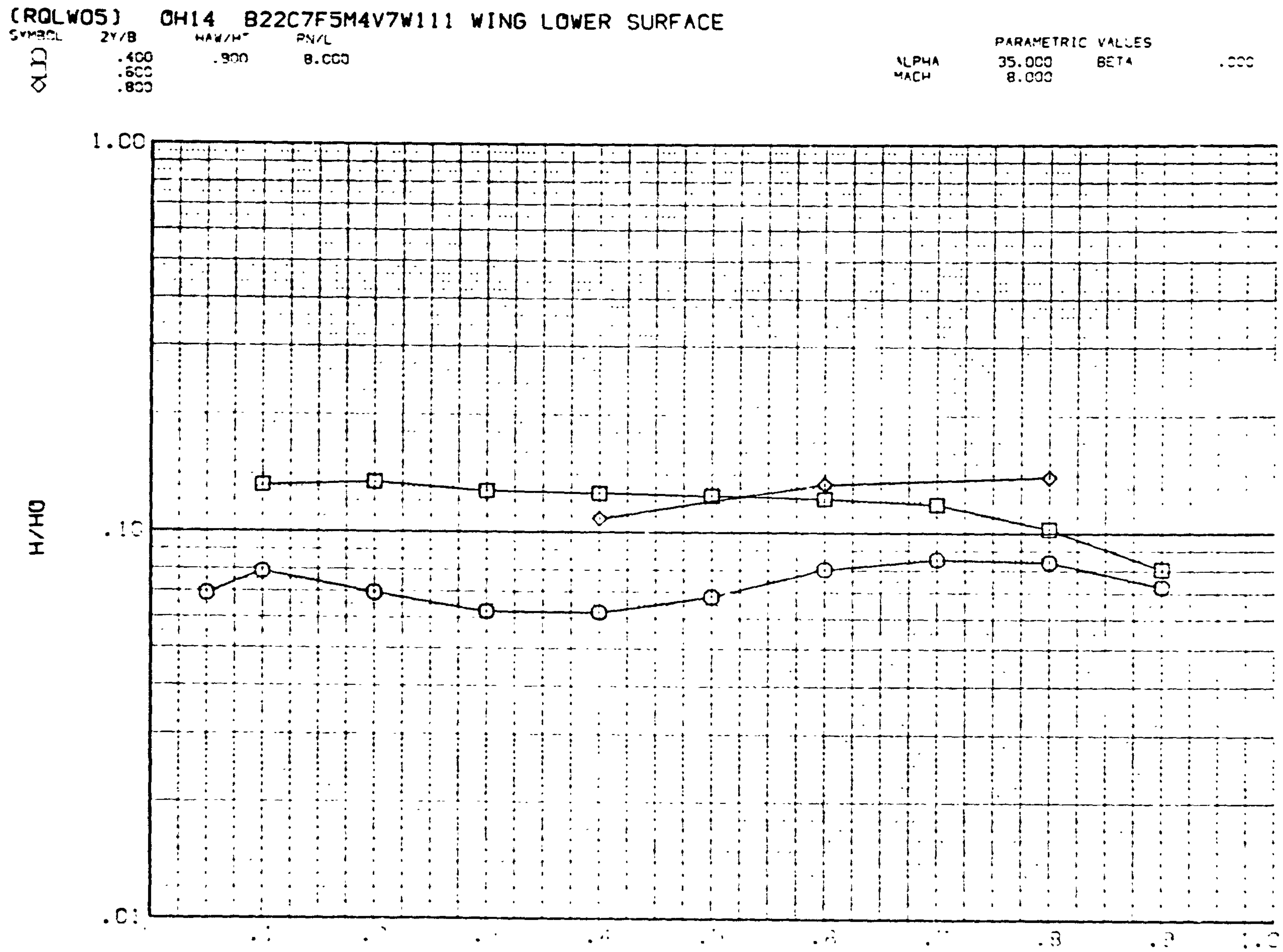


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

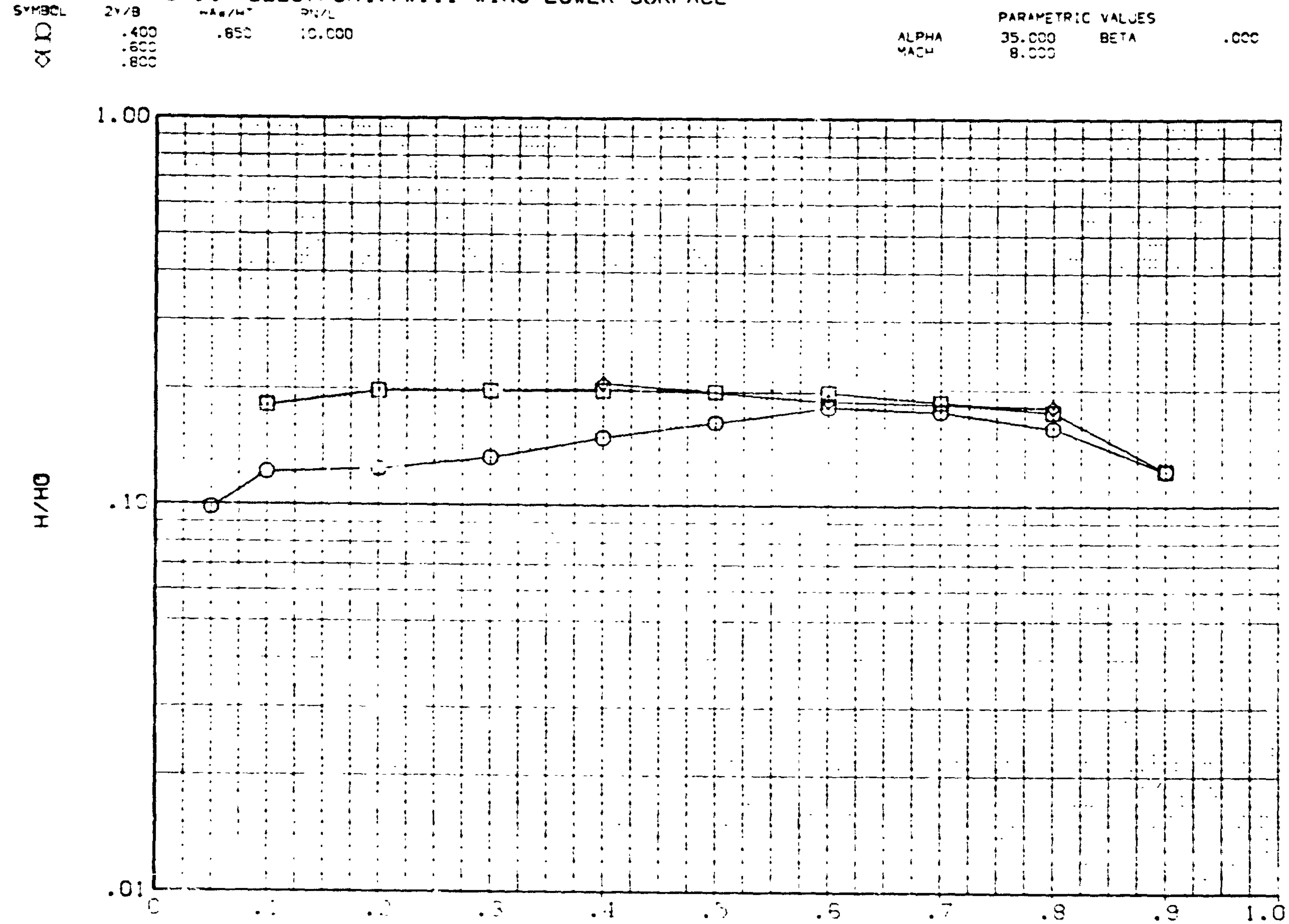


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

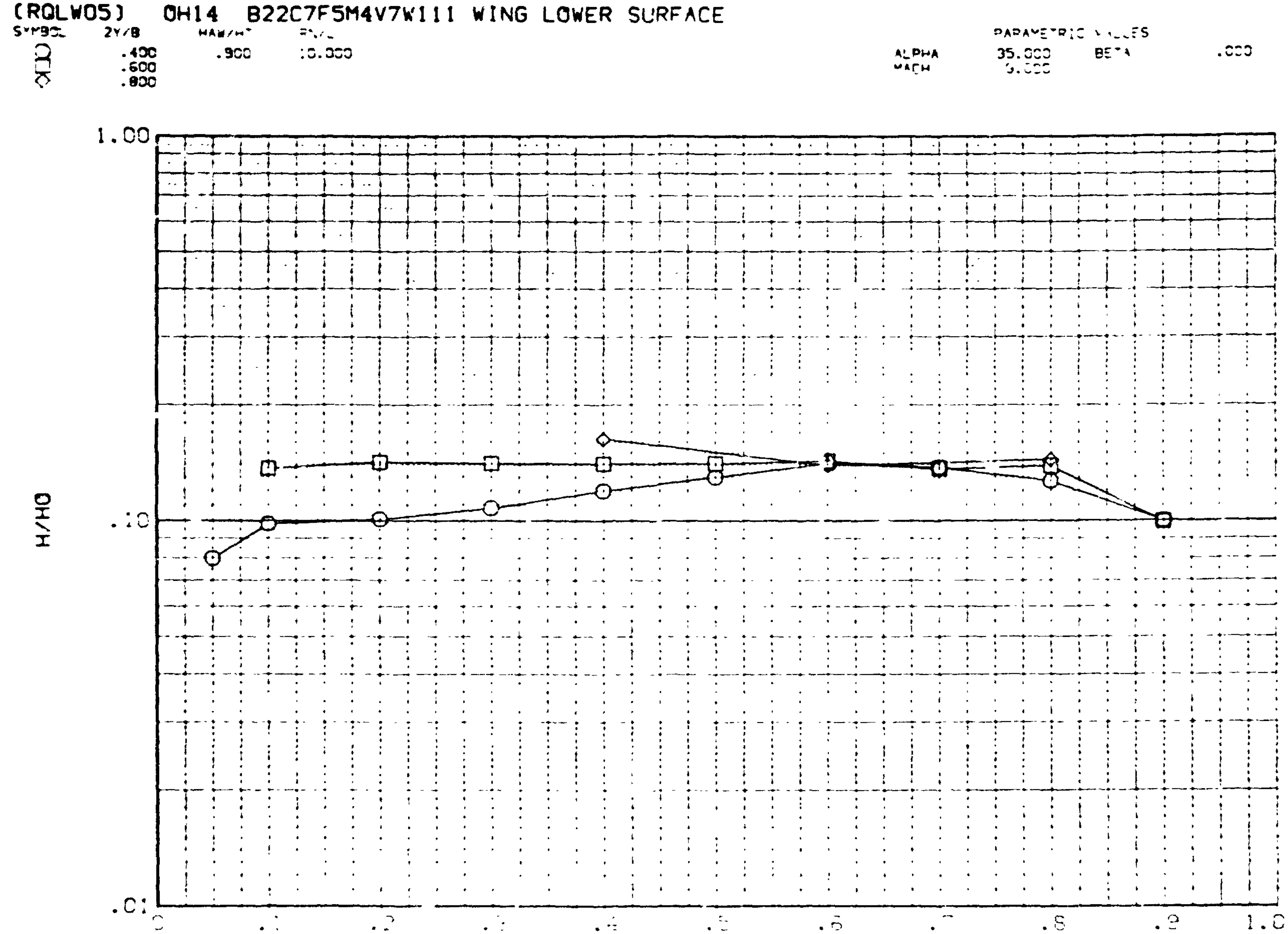


FIG 14 WING LOWER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

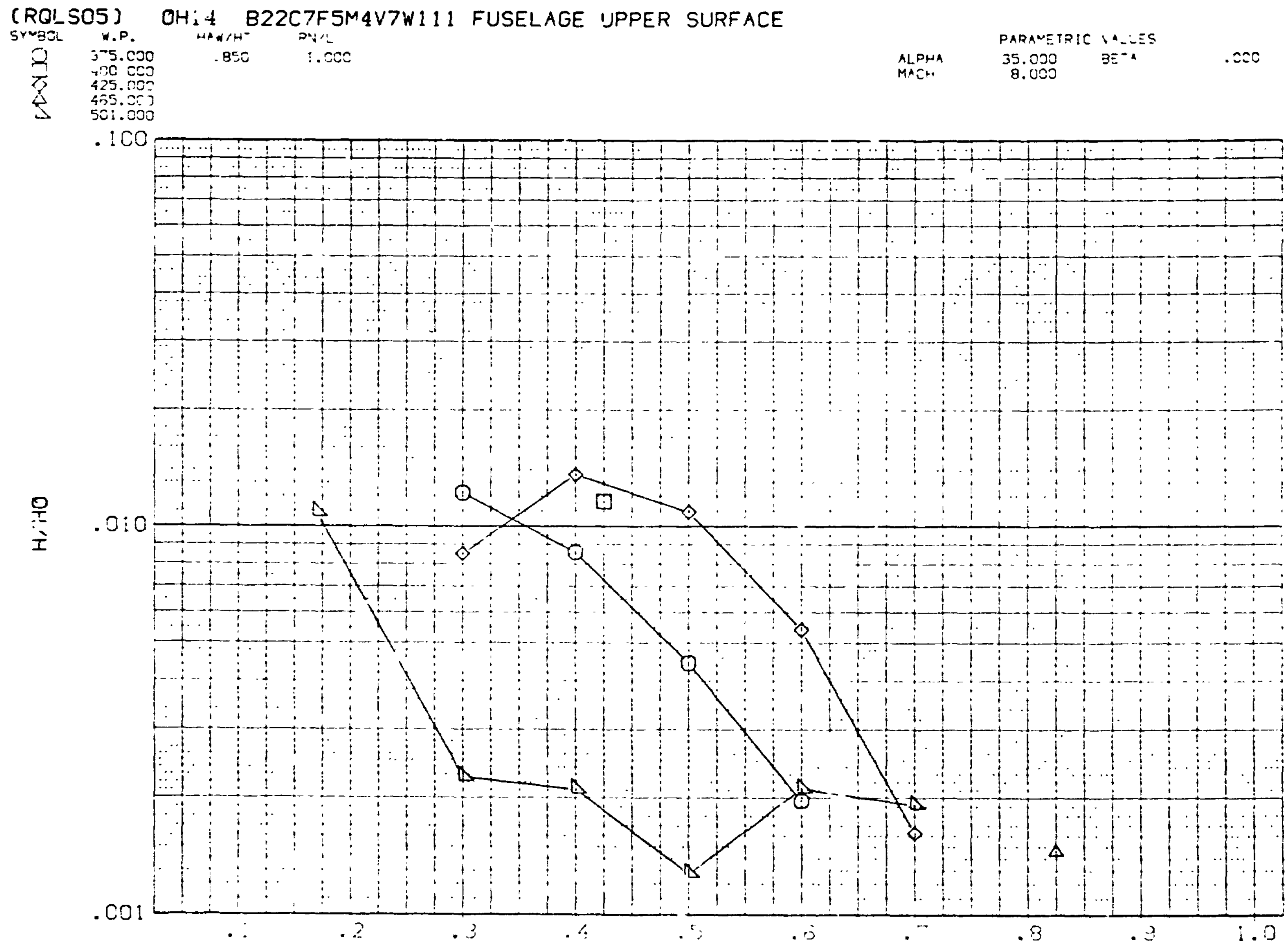


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

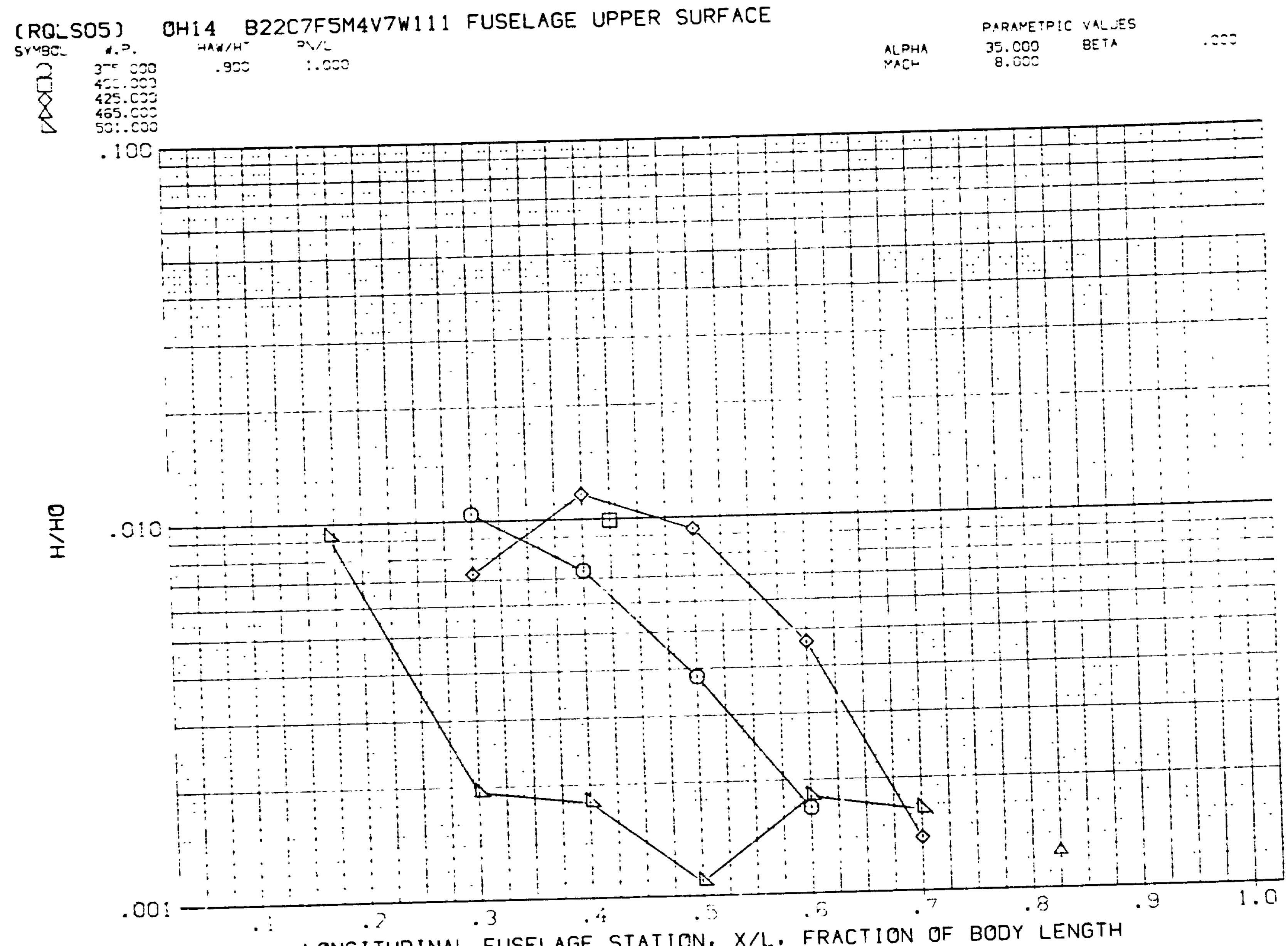


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

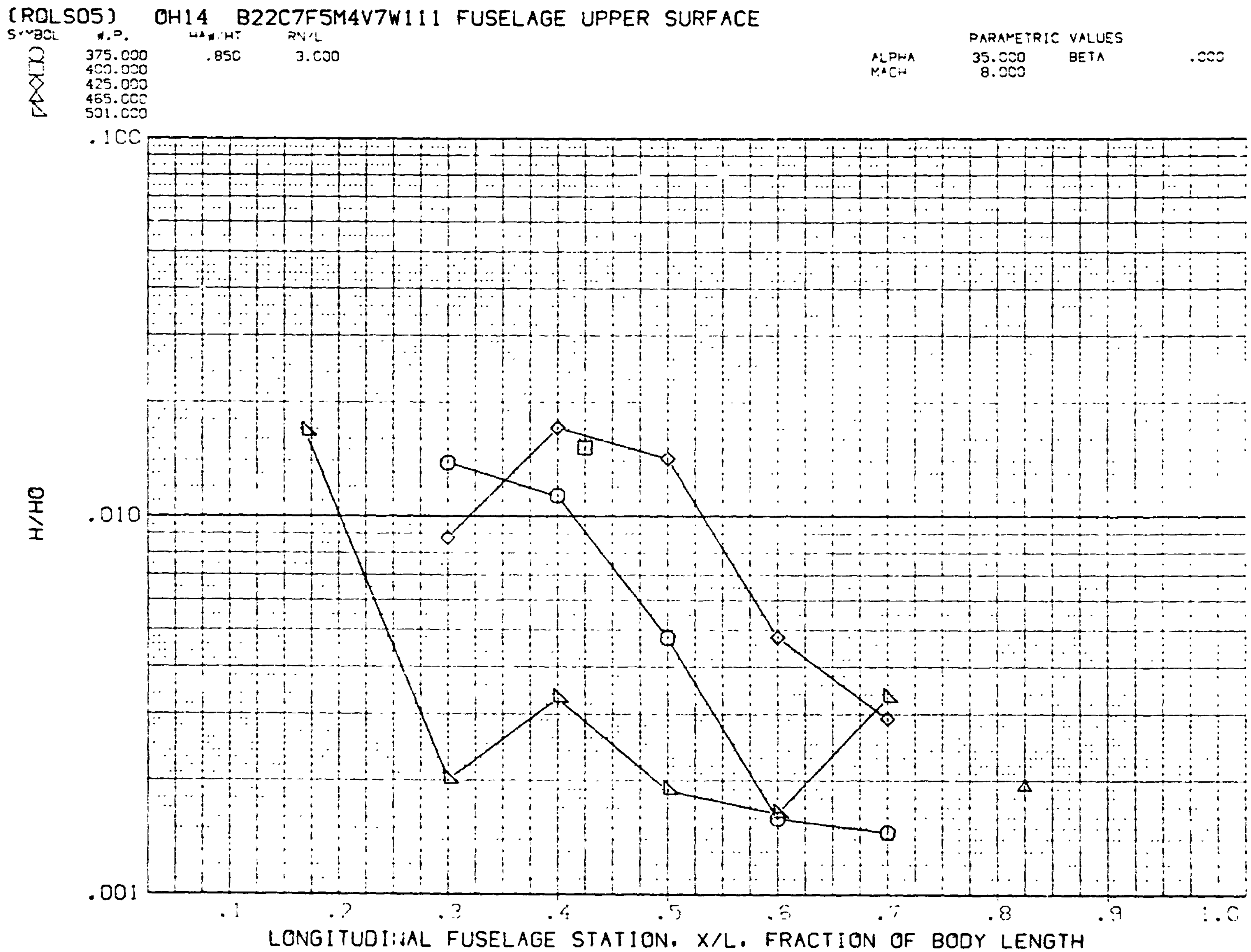


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	RN/L		PARAMETRIC VALUES		
○	375.000	.900	3.000	ALPHA	35.000	BETA	.000
□	400.000			MACH	8.000		
◇	425.000						
◇	465.000						
△	501.000						

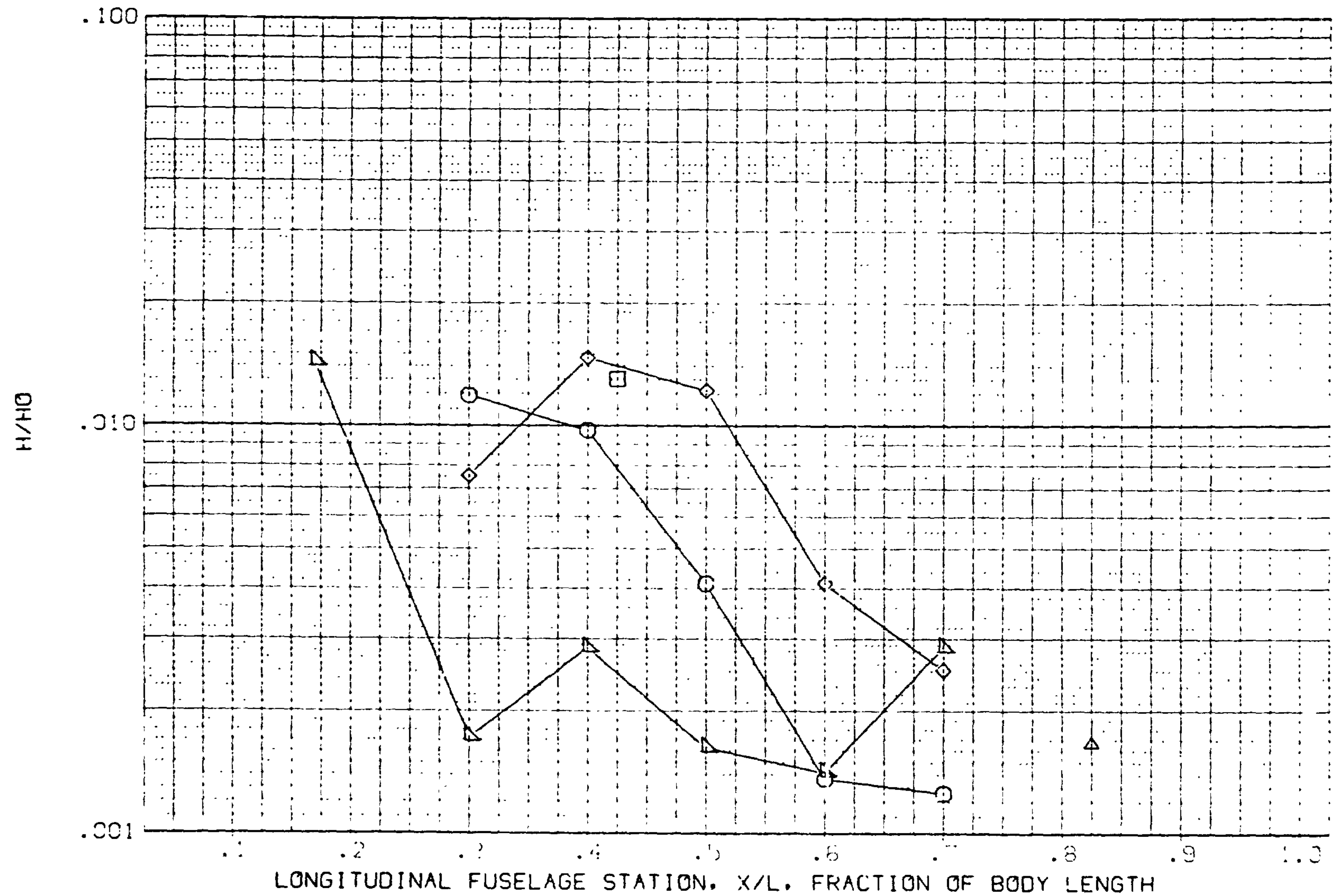


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

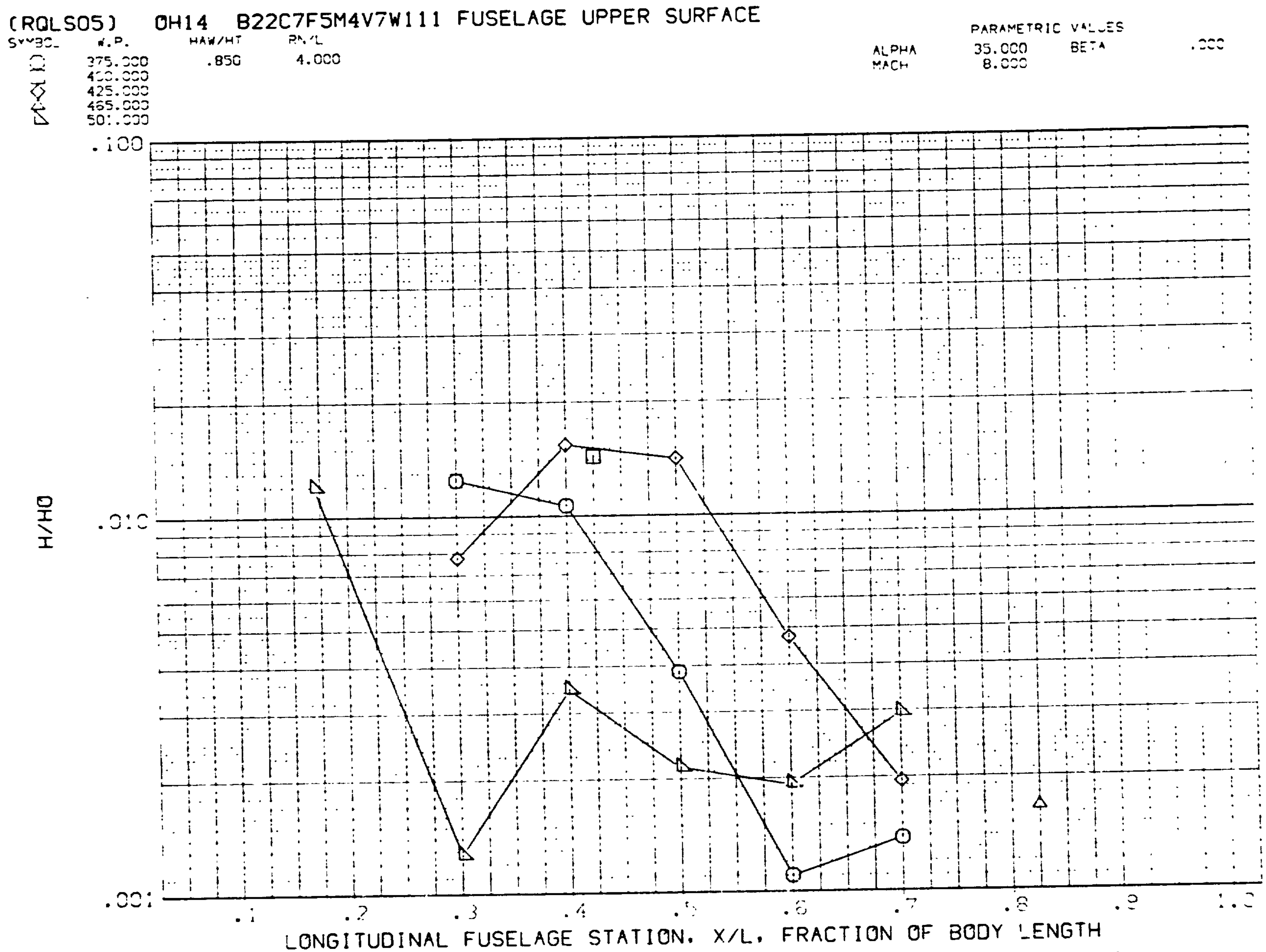


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

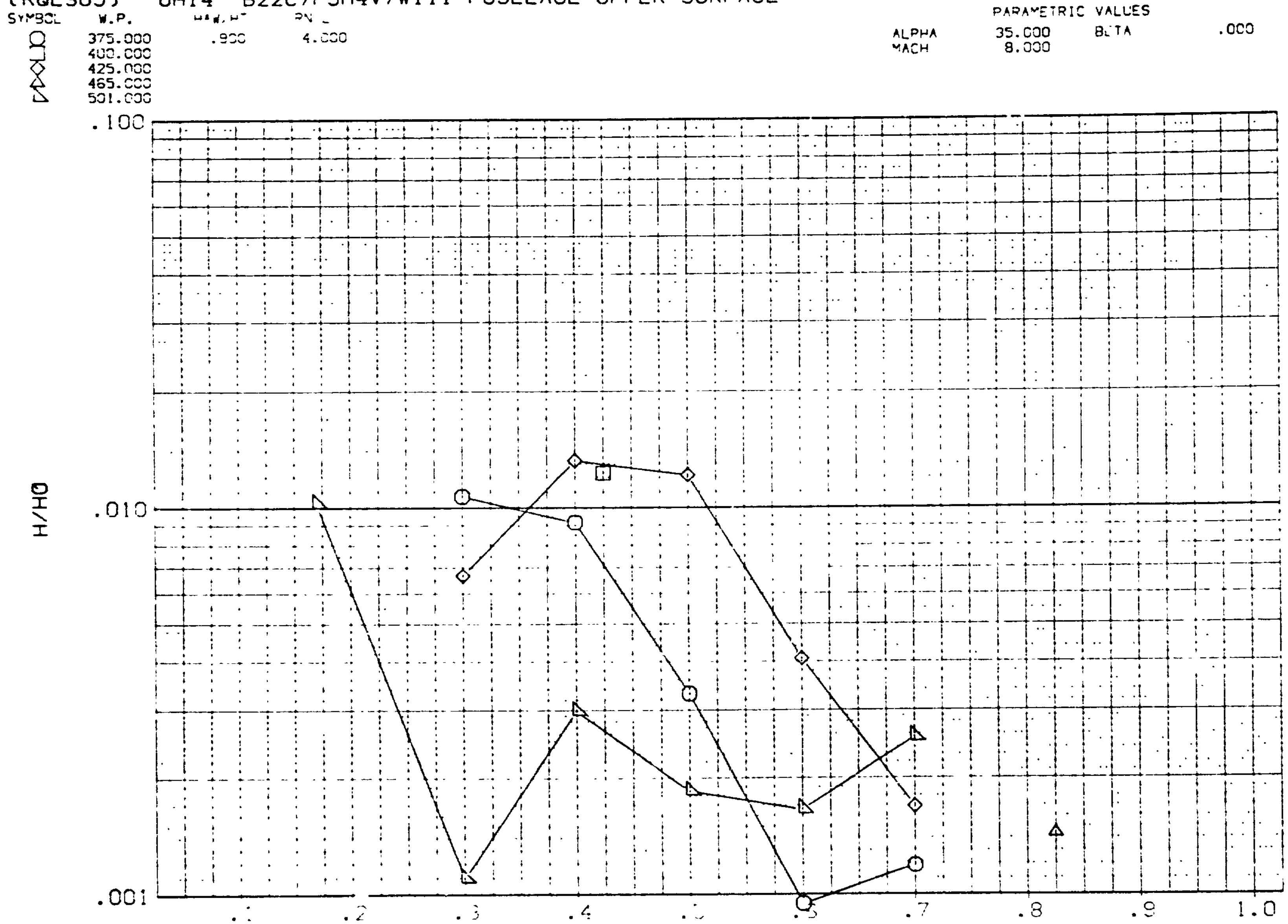


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

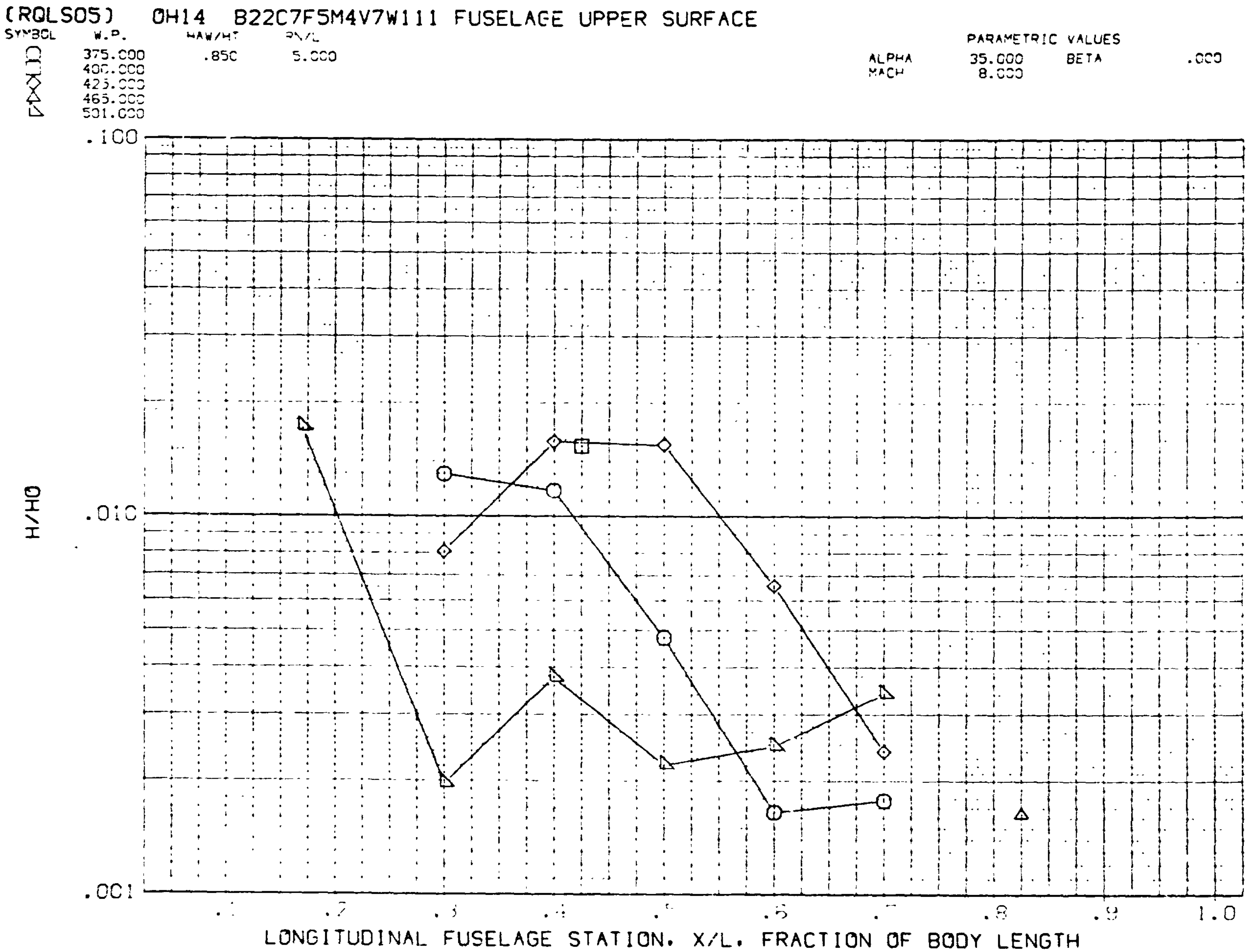


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	PX/L		PARAMETRIC VALUES		
○	375.000	.900	5.000	ALPHA	35.000	BETA	.000
□	400.000			MACH	8.000		
◇	425.000						
△	465.000						
◁	501.000						

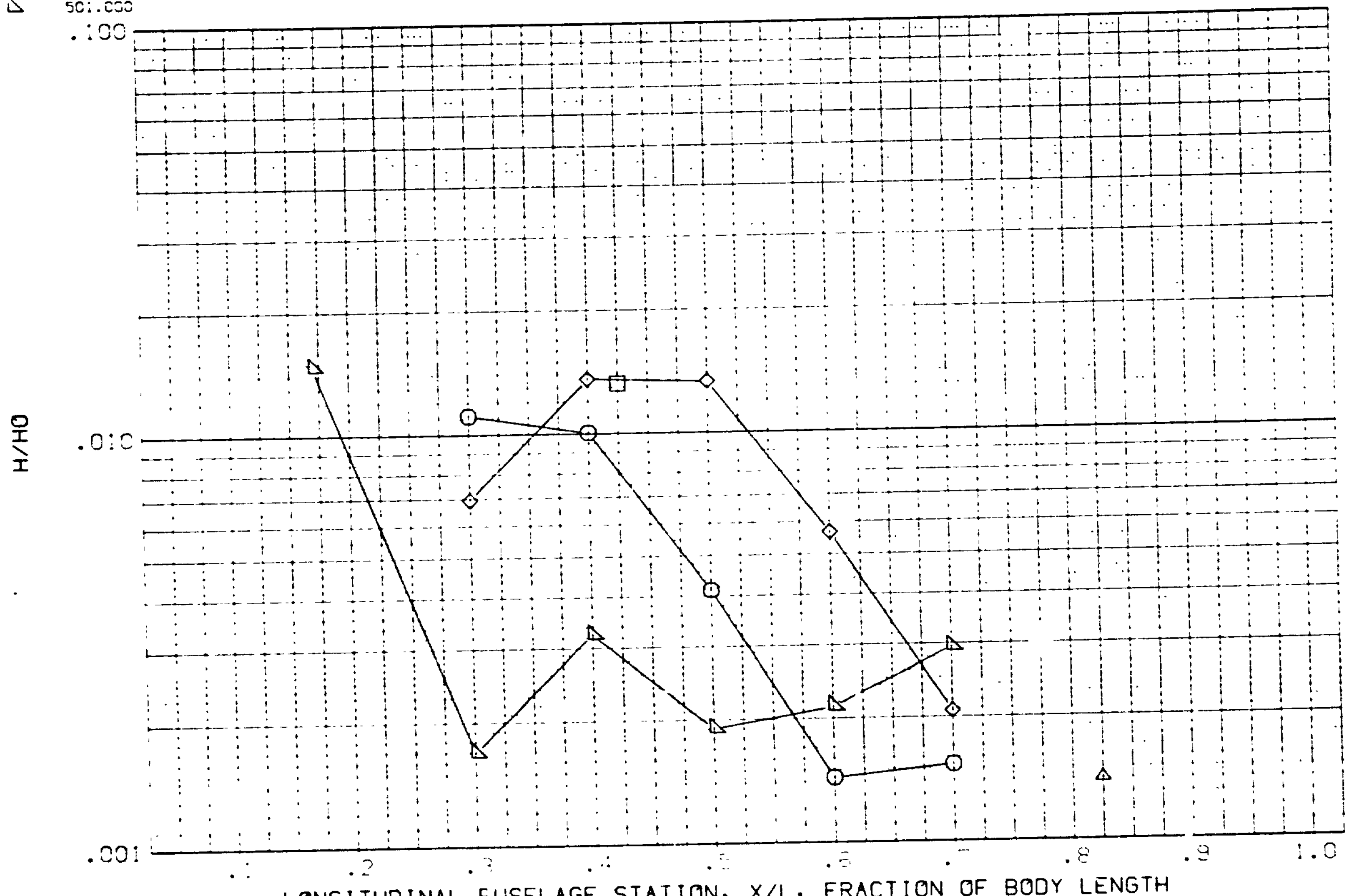


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

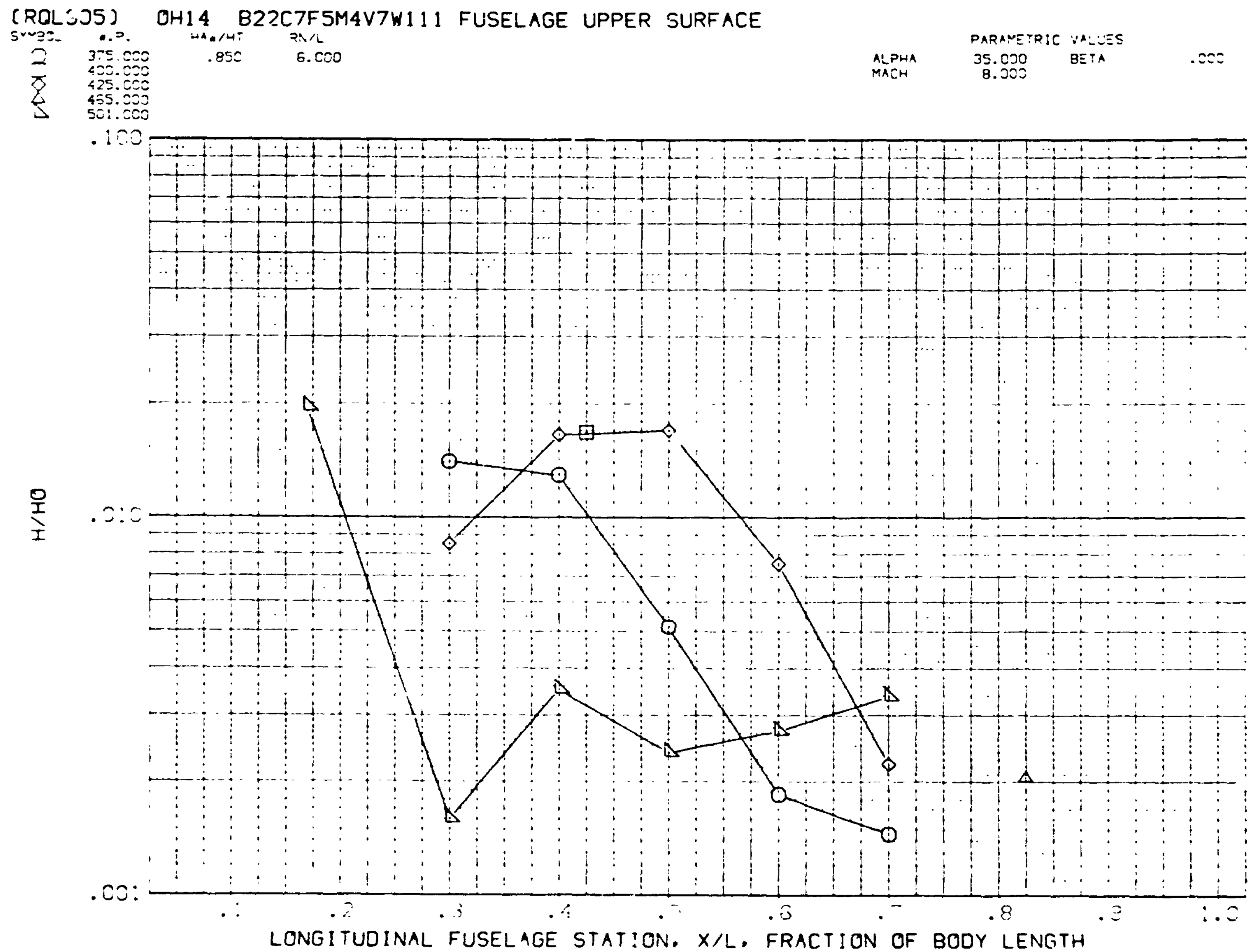


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

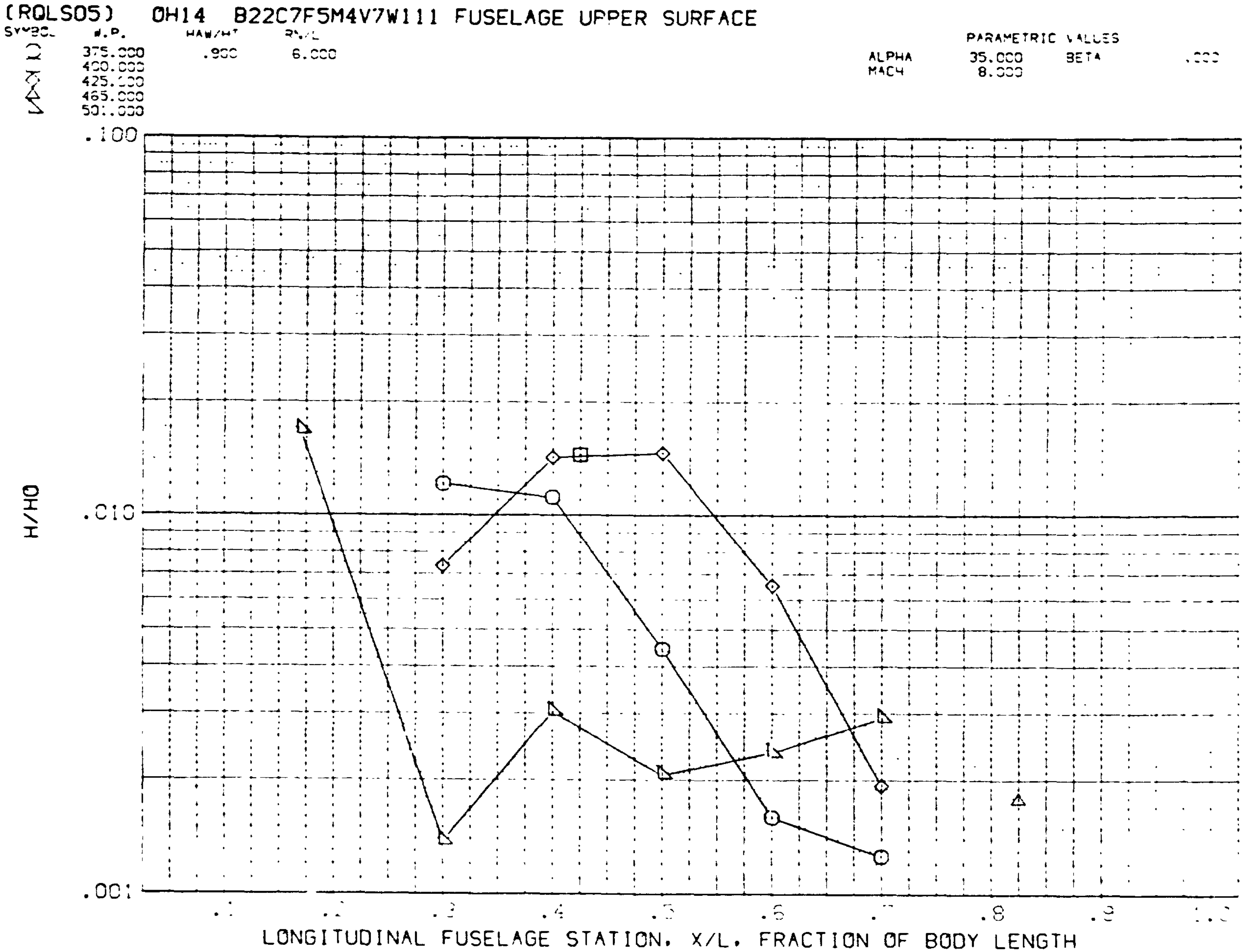


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

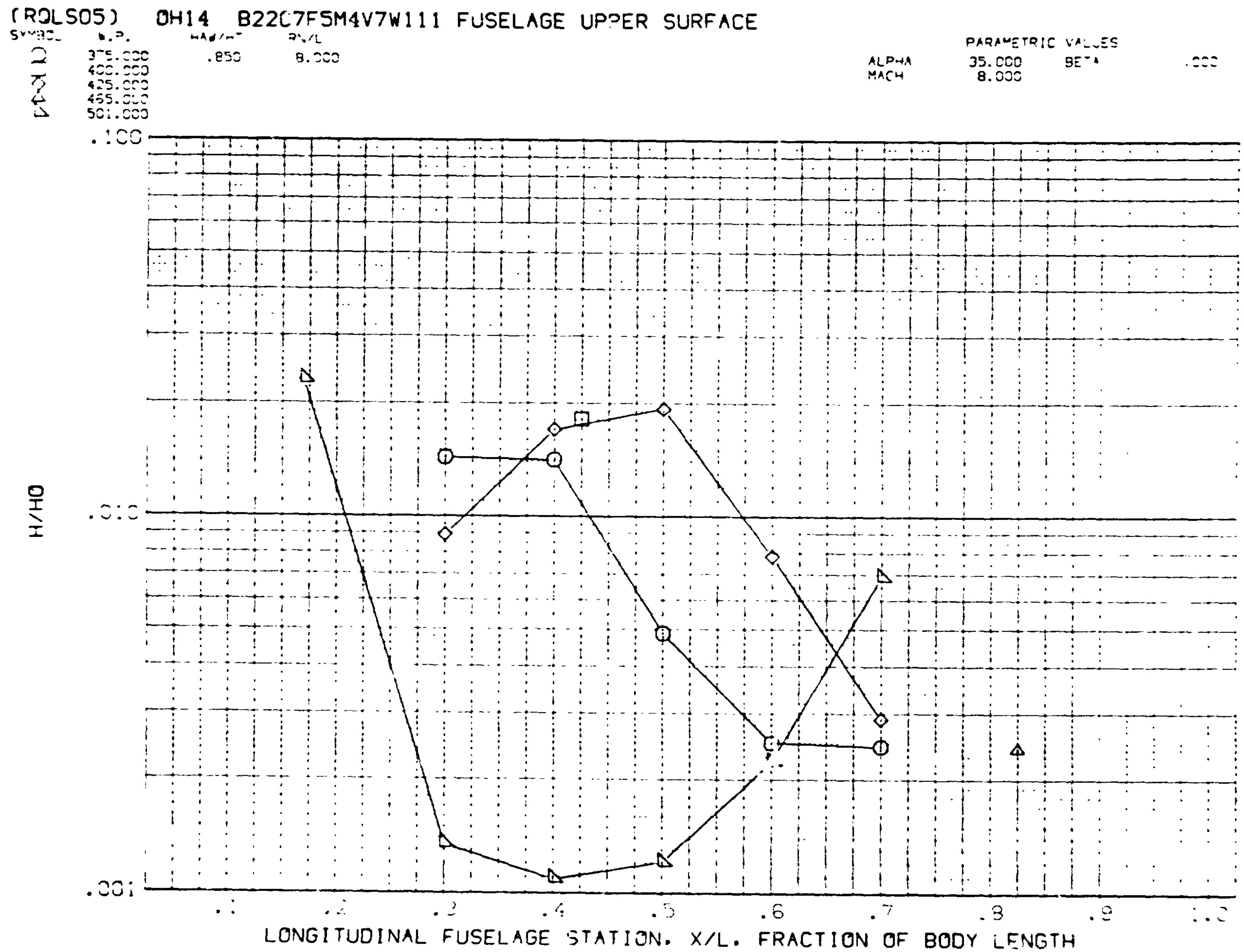


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	W.P.	HAW/HT	PN/L
○	375.000	.900	9.000
□	400.000		
◇	425.000		
△	455.000		
◁	501.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

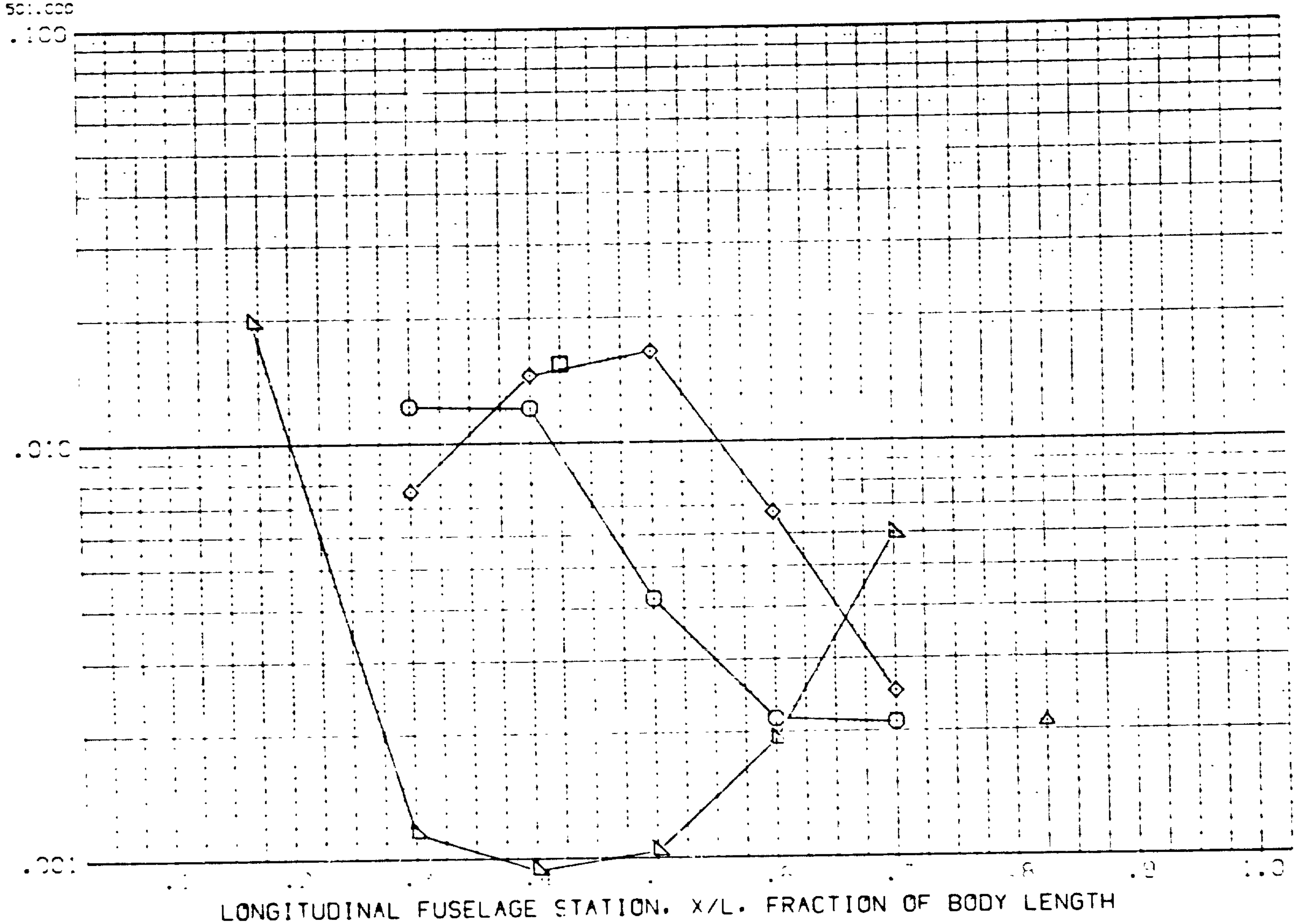


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

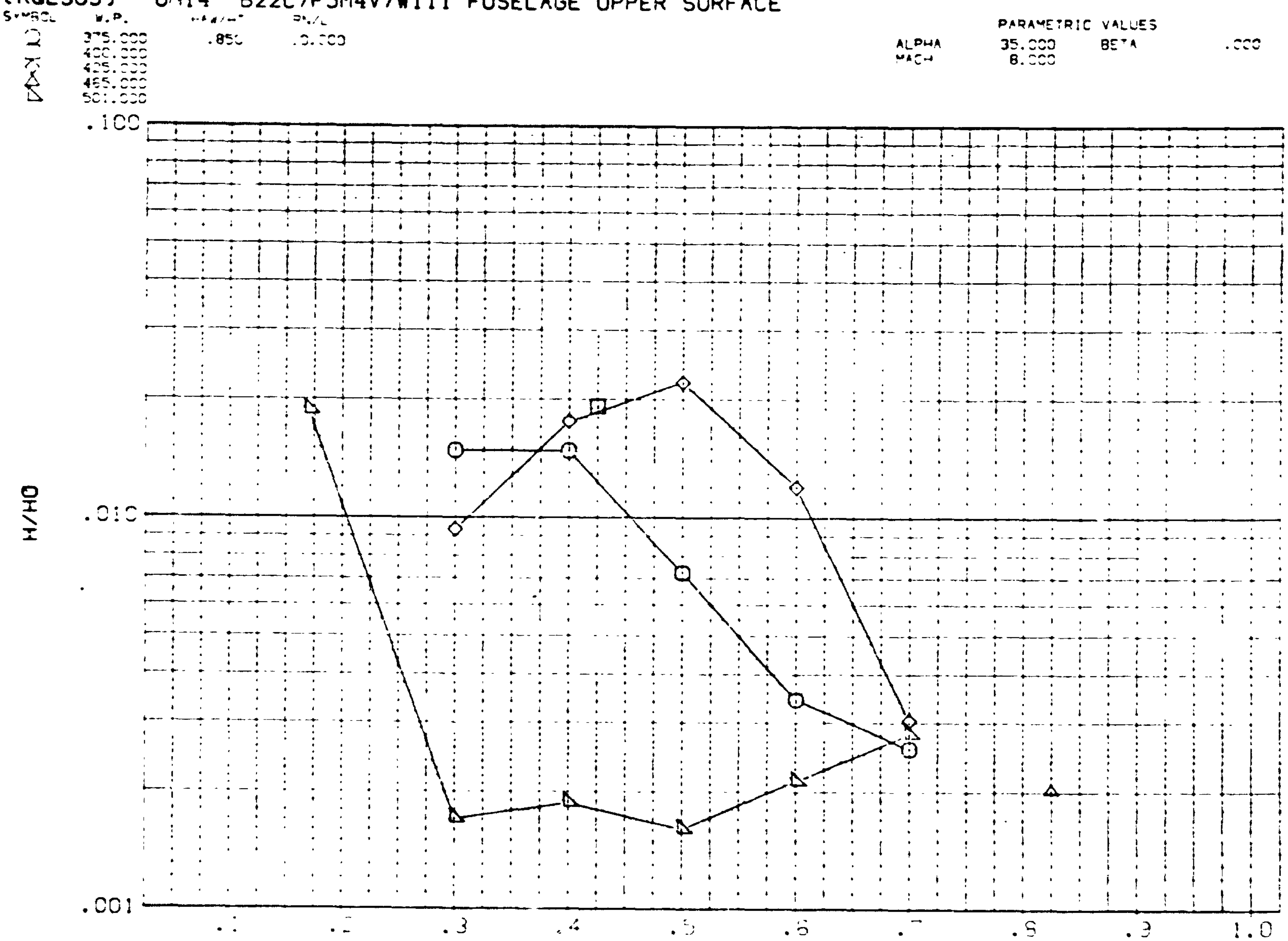


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

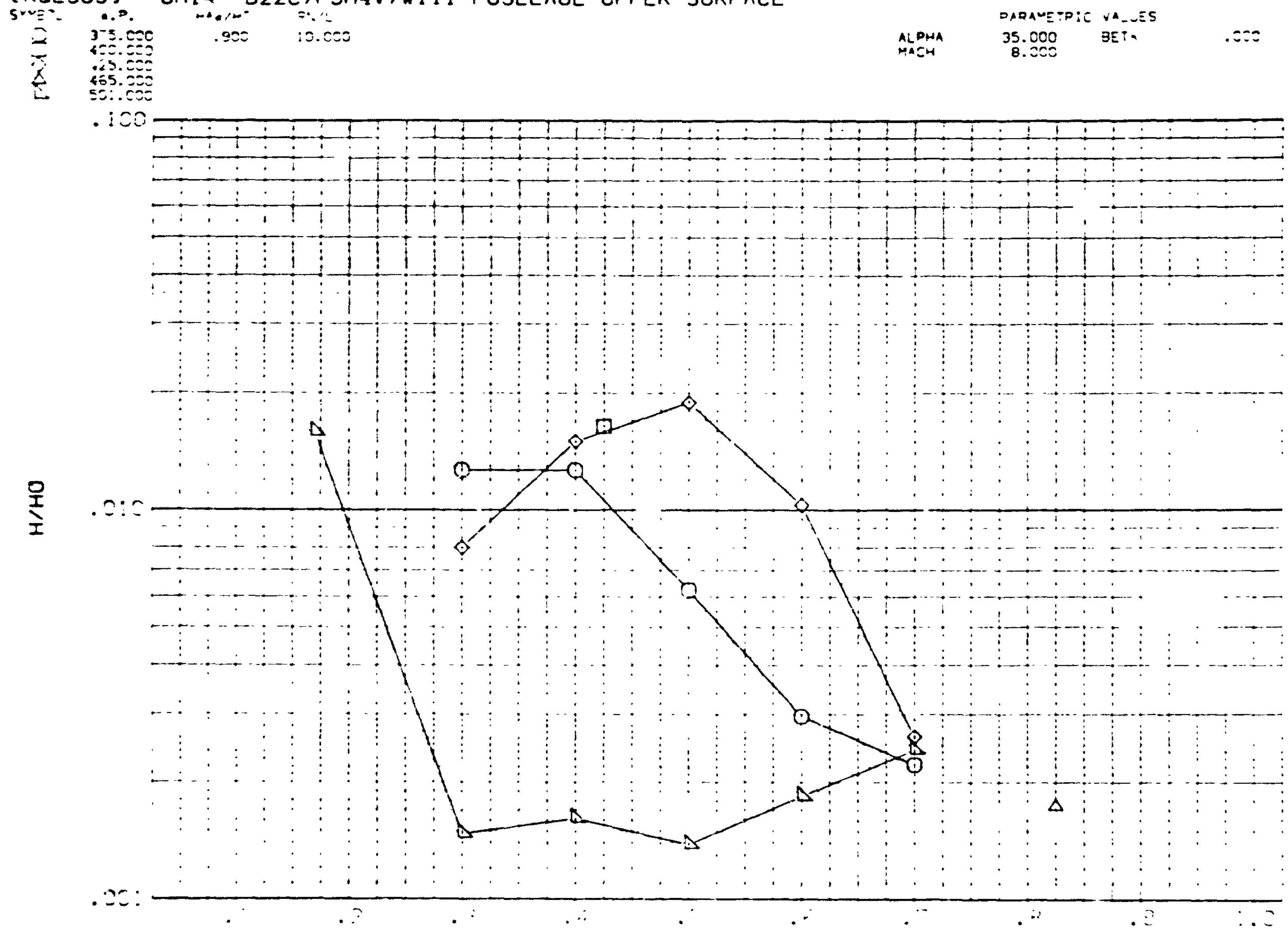


FIG 15 FUSELAGE UPPER SURFACE DISTRIBUTION AT 35 DEG. ANGLE OF ATTACK

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLBC2)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RCLBC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCLBC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCLBC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

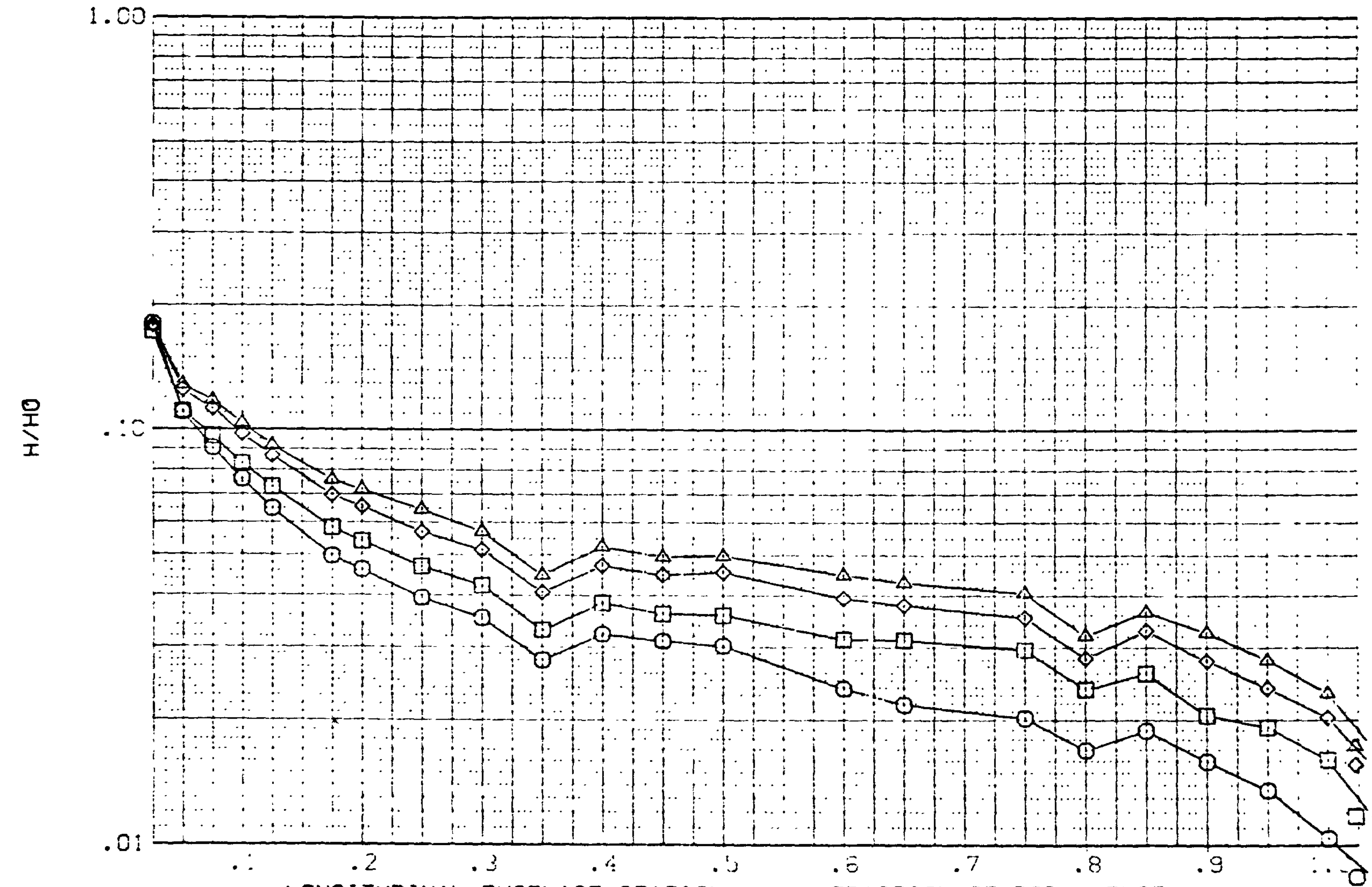
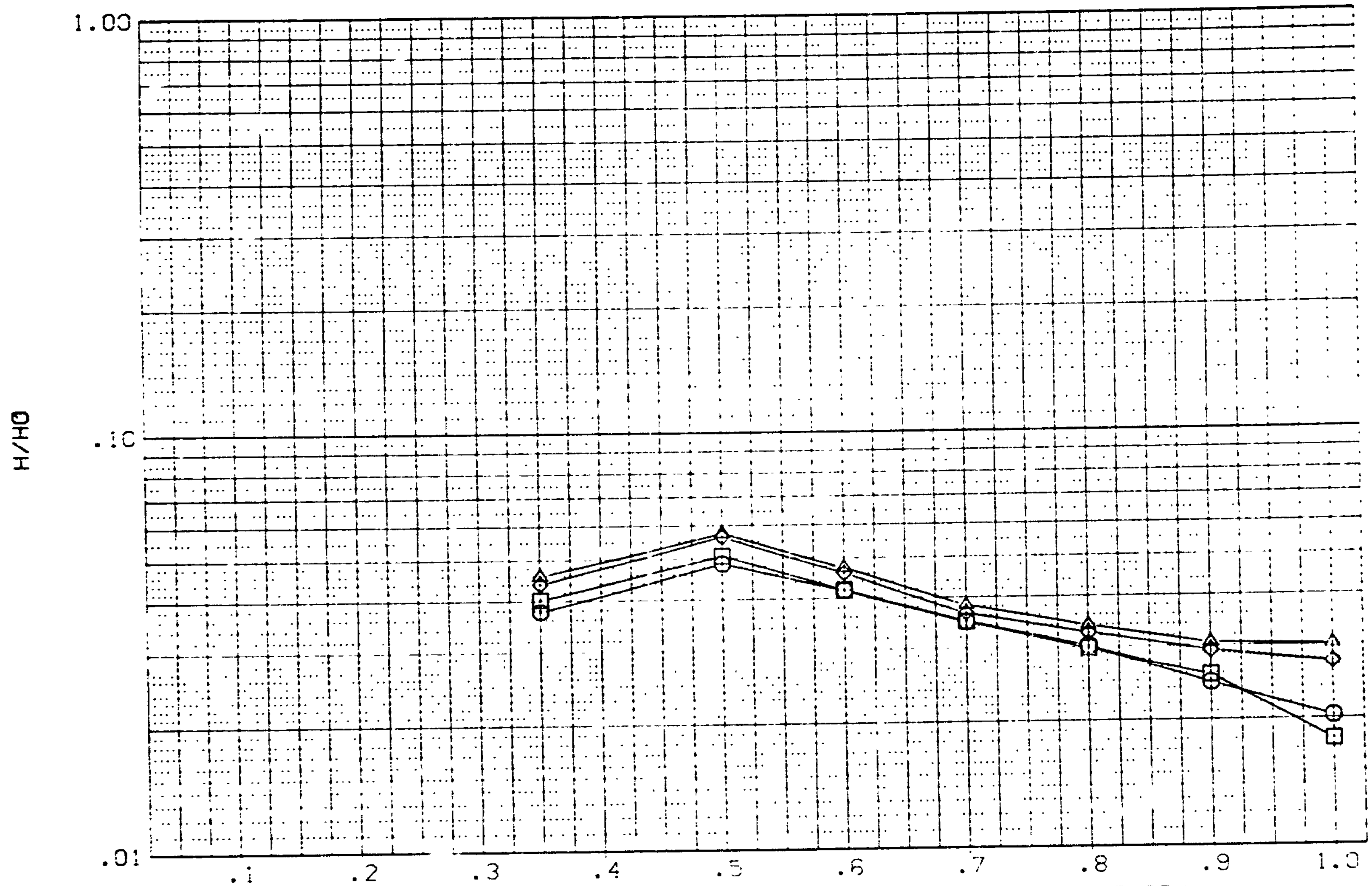


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 1.000 HAW/HT = .850 R.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 1.000 HAW/HT = .850 B.P. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLBC2)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLBC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLBC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLBC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

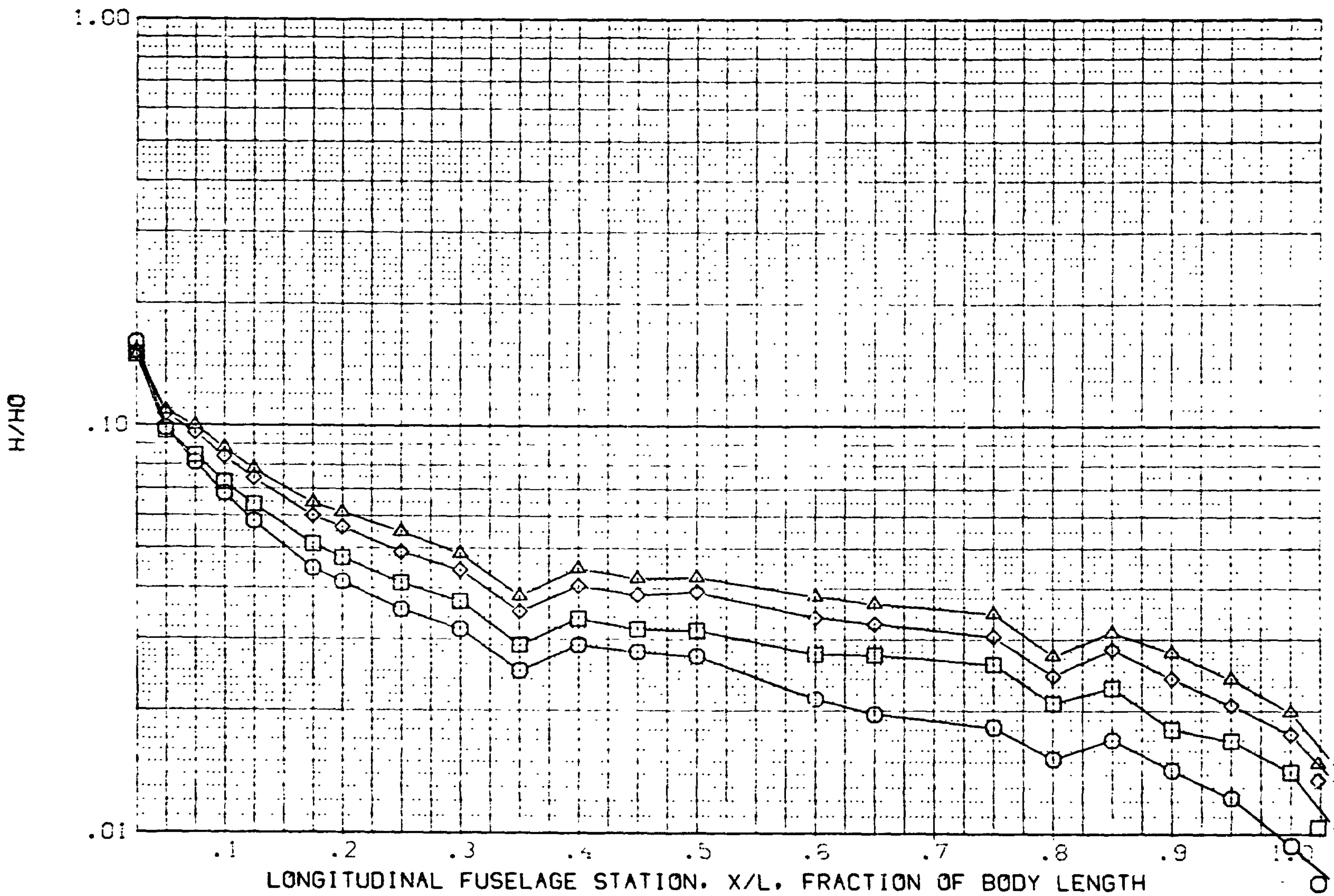


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 1.000 HAW/HT = .900 B.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLBC2)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

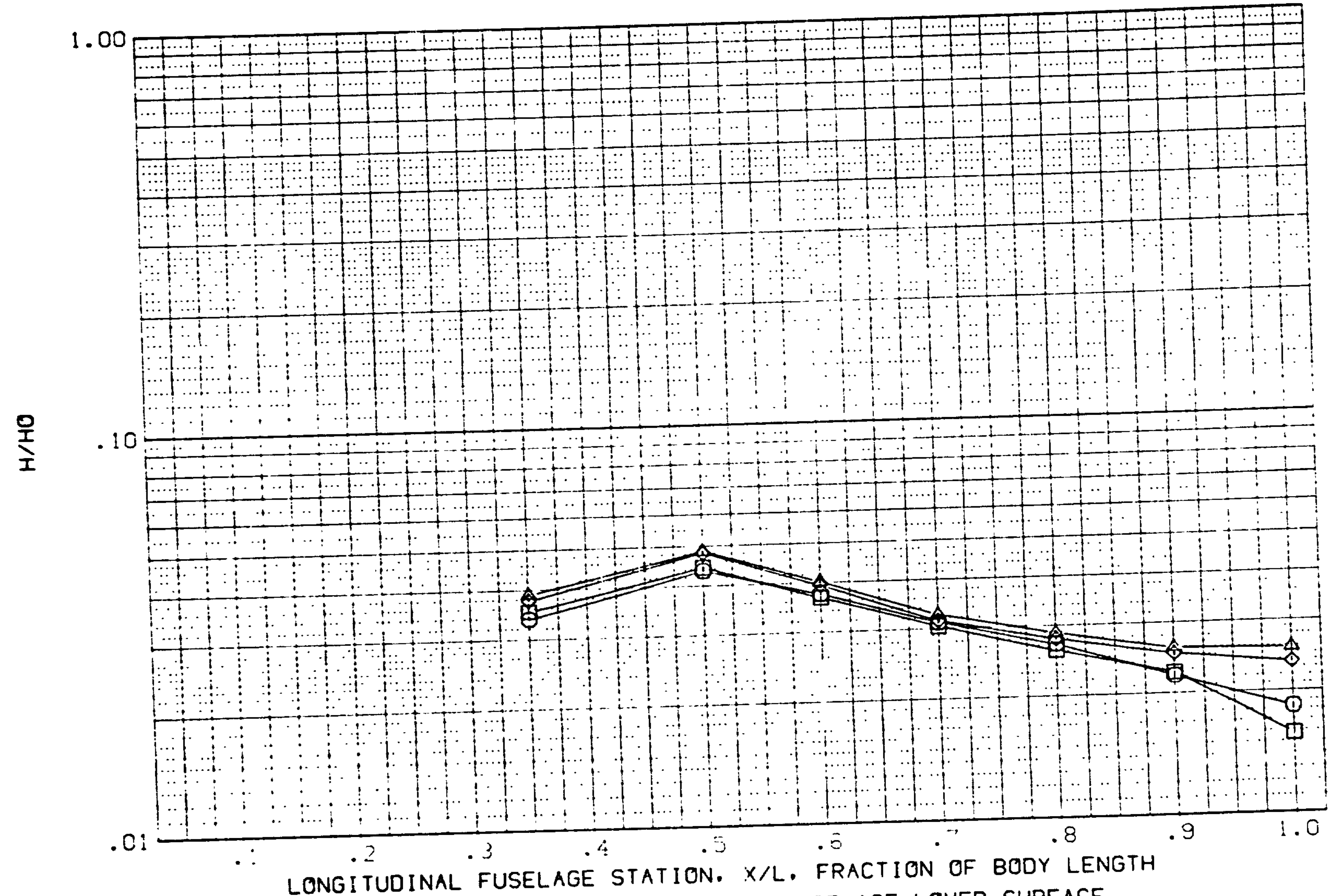


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 1.000 HAW/HT = .900 R.P. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

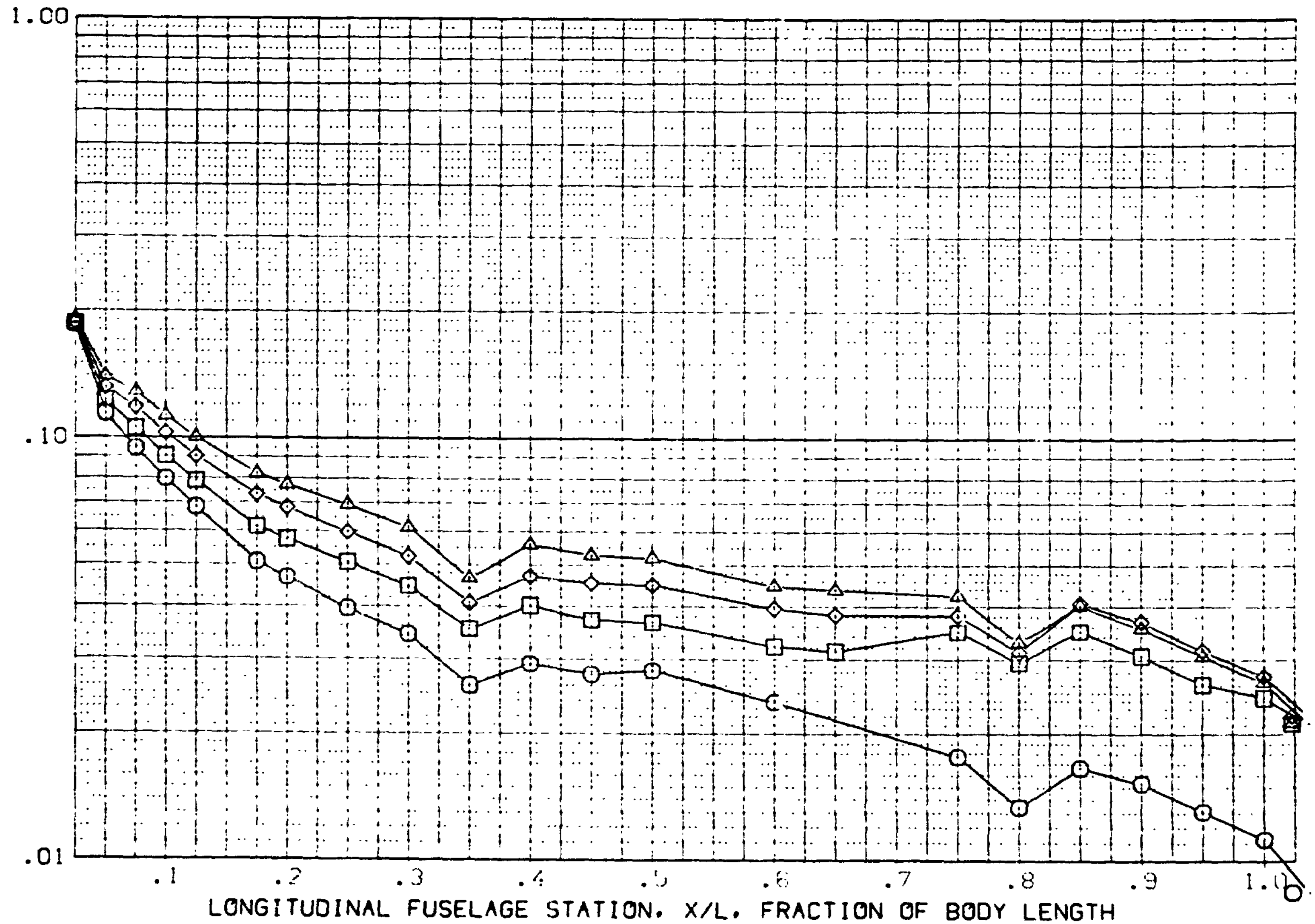
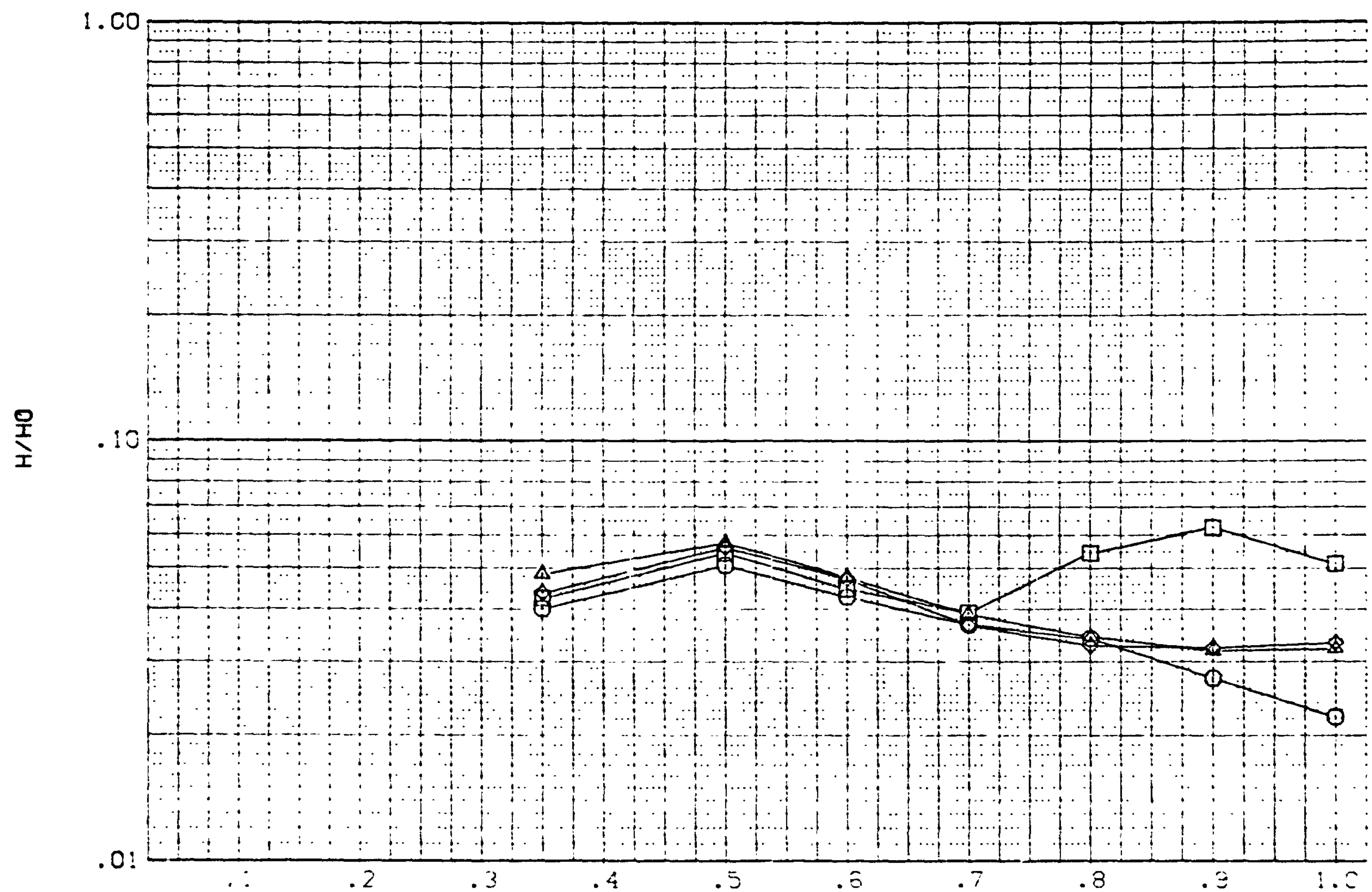


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 3.000 HAW/HT = .850 B.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 3.000   ... .850   B.F. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

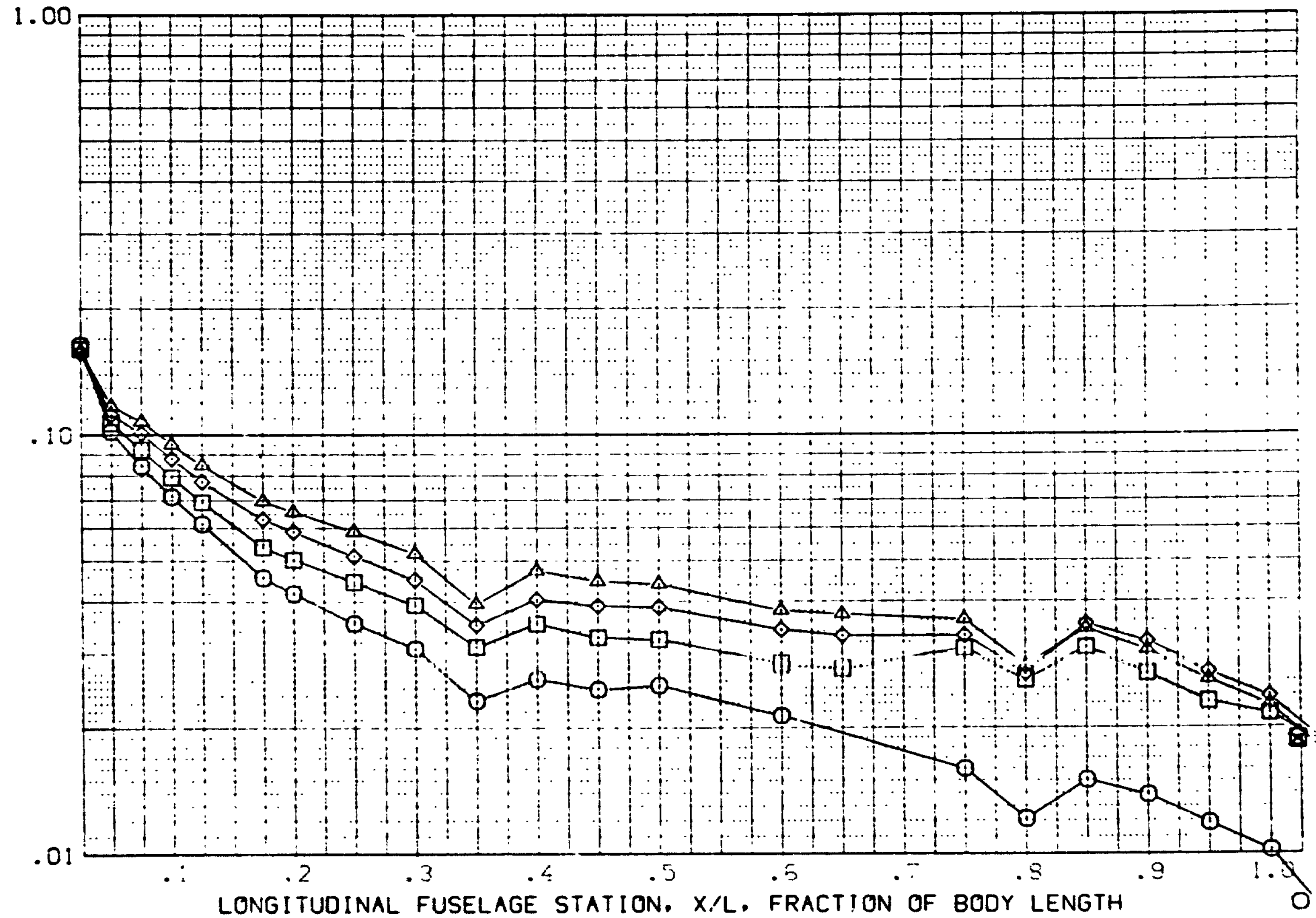


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 3.000 HAW/HT = .300 .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQL302)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(PQL303)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(PQL304)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(PQL305)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

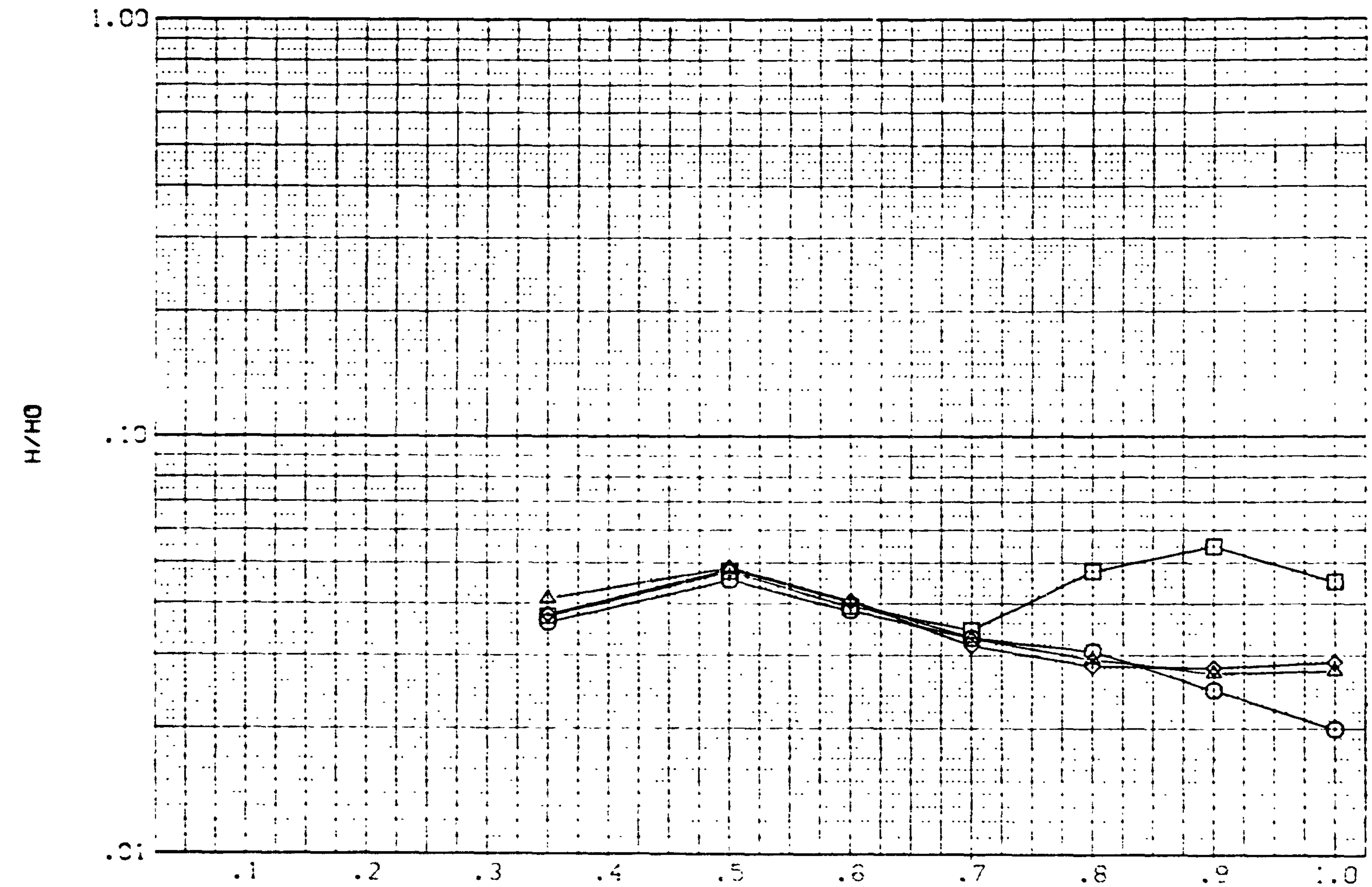


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 3.000 -A/HT- .900 S.T. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLBC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLBC3)	□	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLBC4)	◇	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLBC5)	△	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

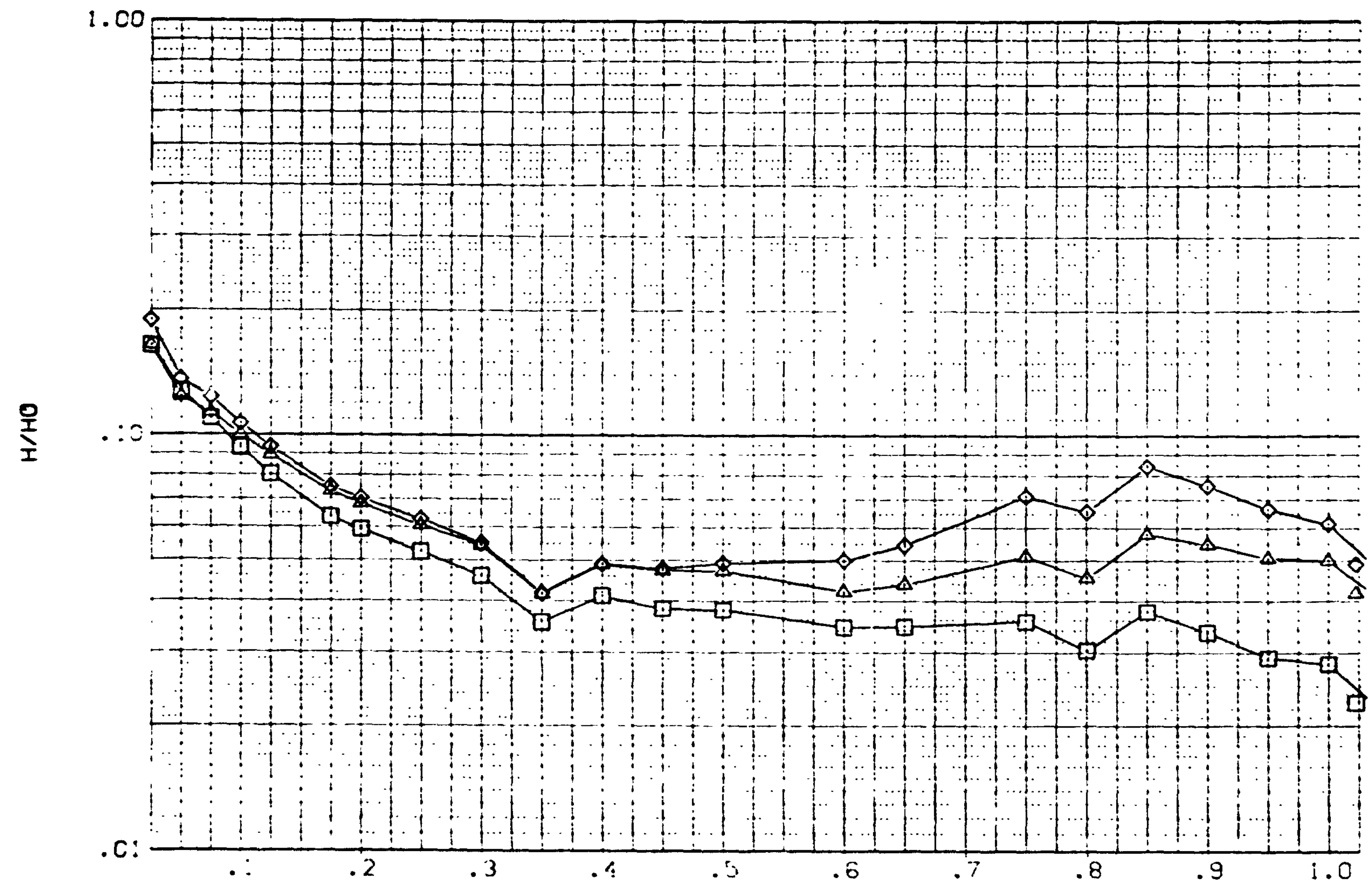
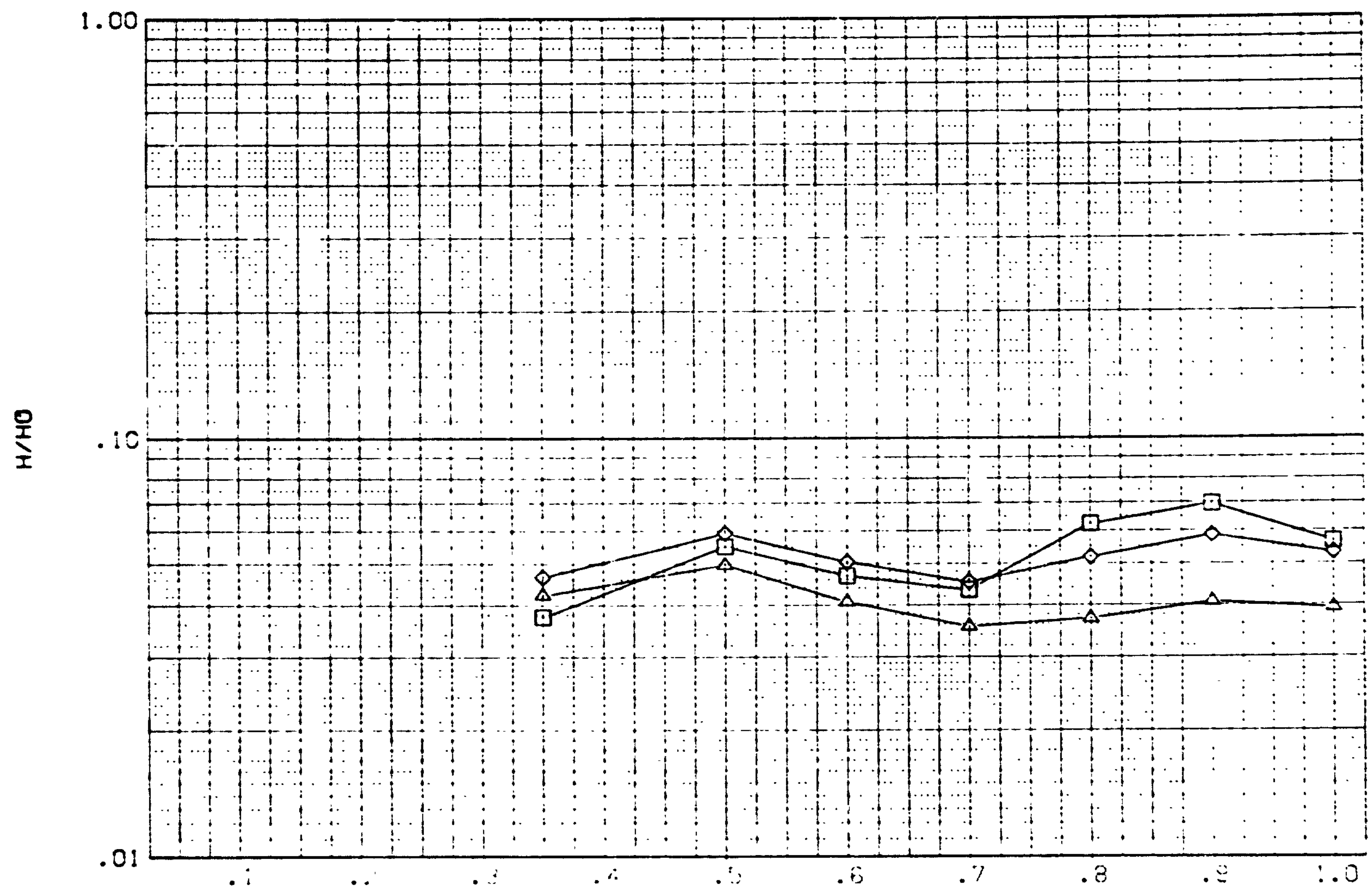


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 4.000 HAW/HT = .850 B.F. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLBC2)		DATA NOT AVAILABLE	20.000	.000	8.000
(RCLBC3)		OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCLBC4)		OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCLBC5)		OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 4.000 HAW/HT = .850 R.M. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLBC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RCLBC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCLBC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCLBC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

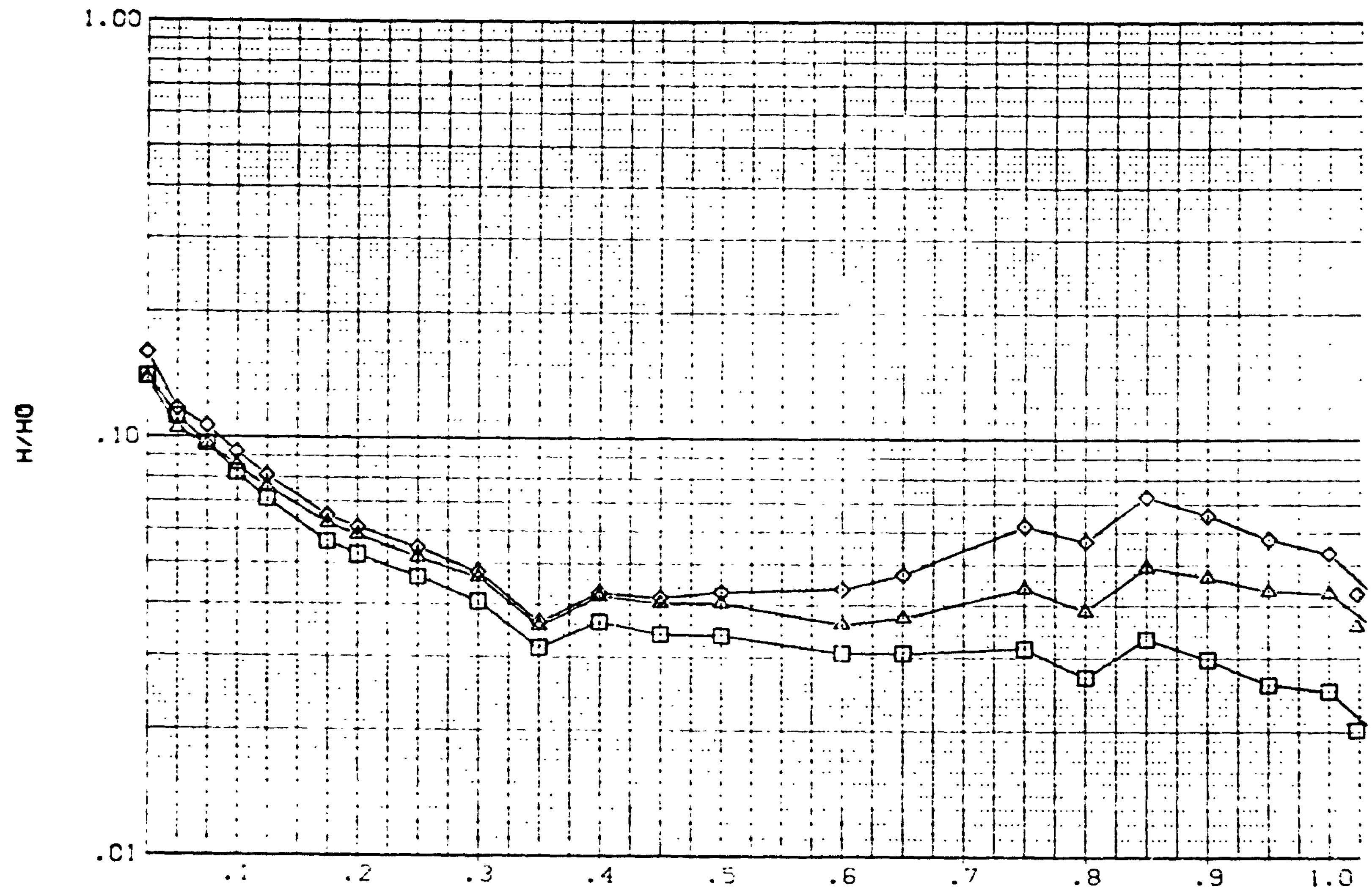


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER [illegible]

[illegible] = 4.000 [illegible] = .900 B.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLBO2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLBO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLBO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLBO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

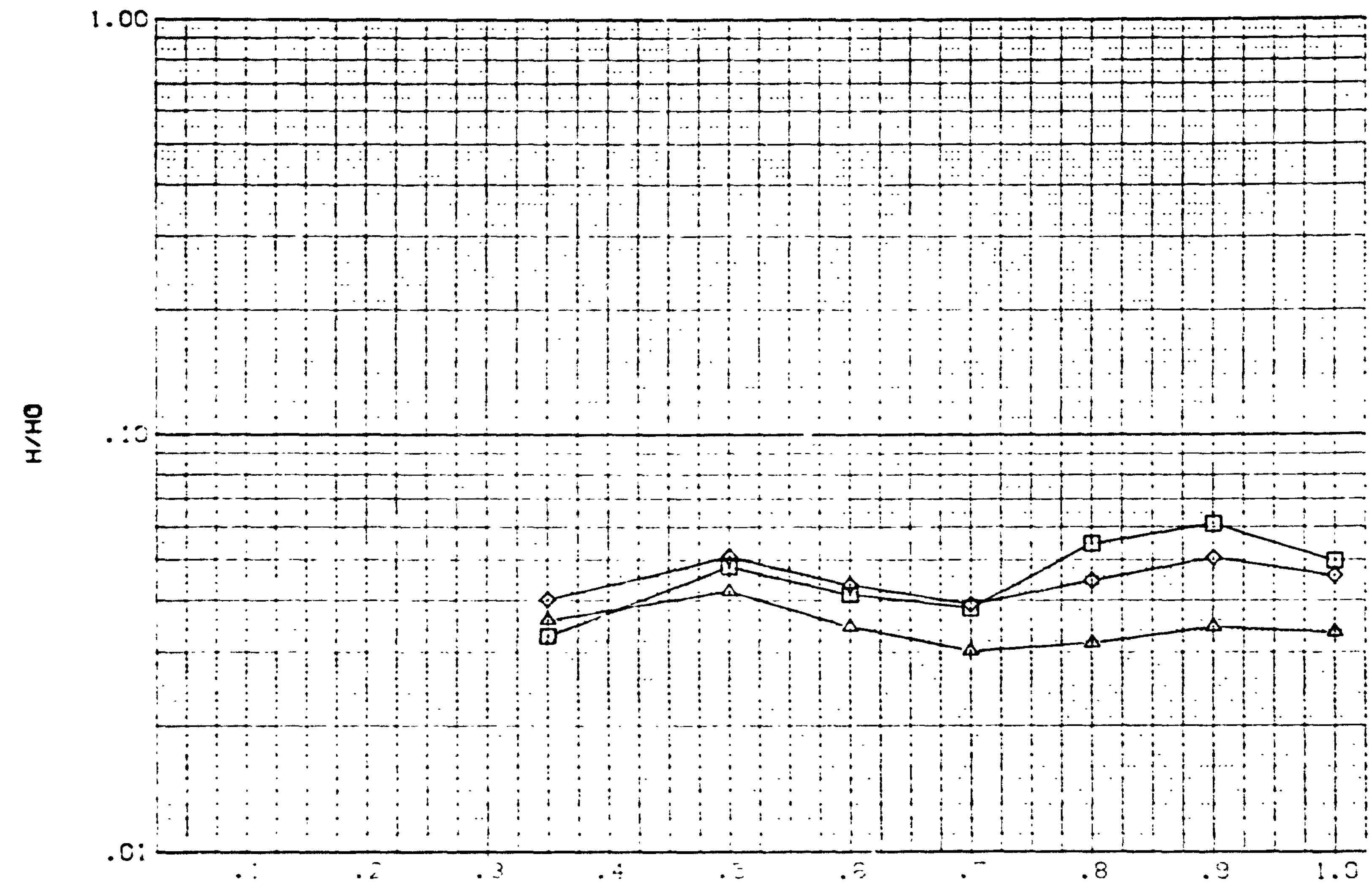


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 4.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLB02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RCLB03)	□	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCLB04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCLB05)	△	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

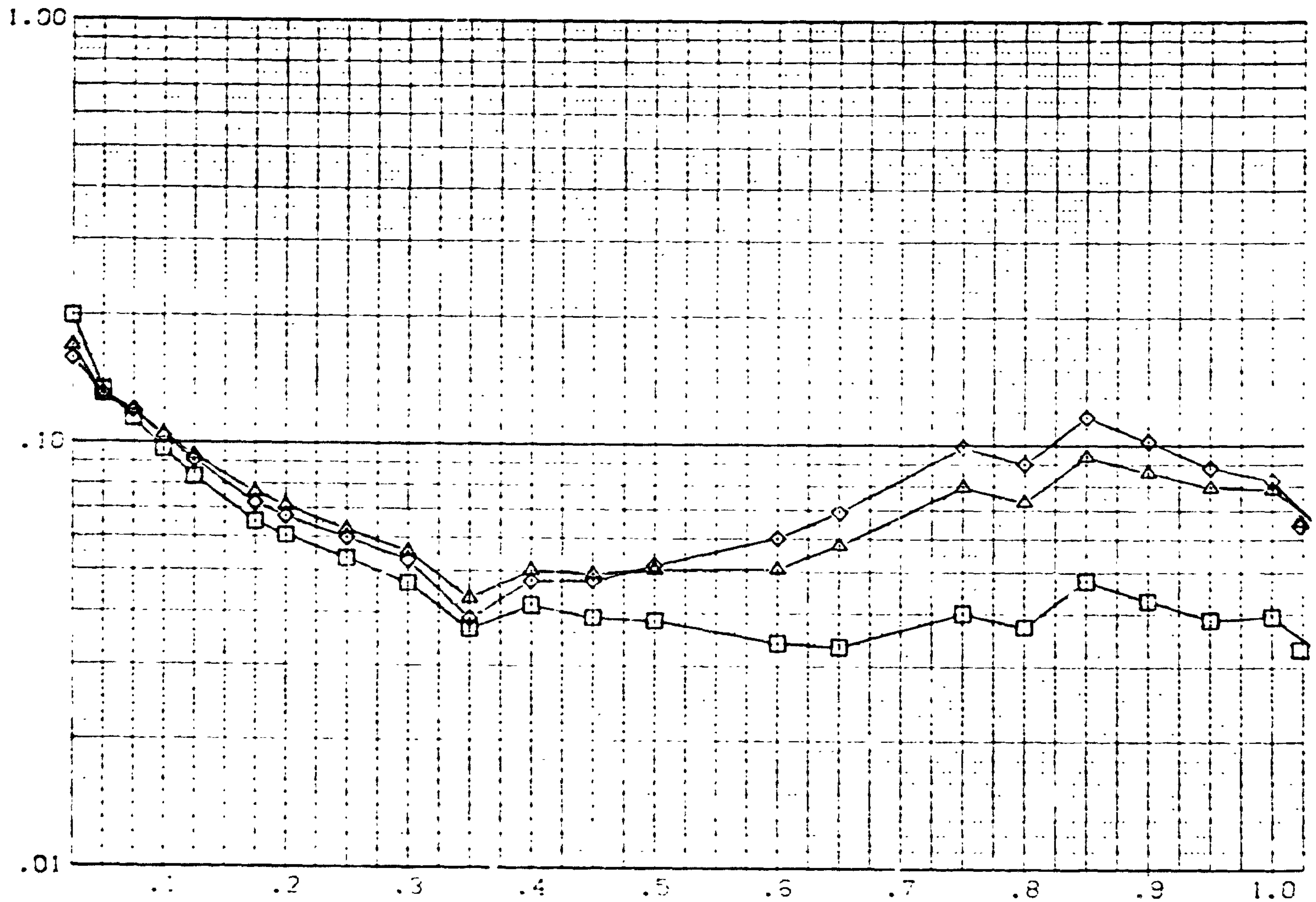


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 5.000 .850

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLB02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RGLB03)	□	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RGLB04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RGLB05)	△	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

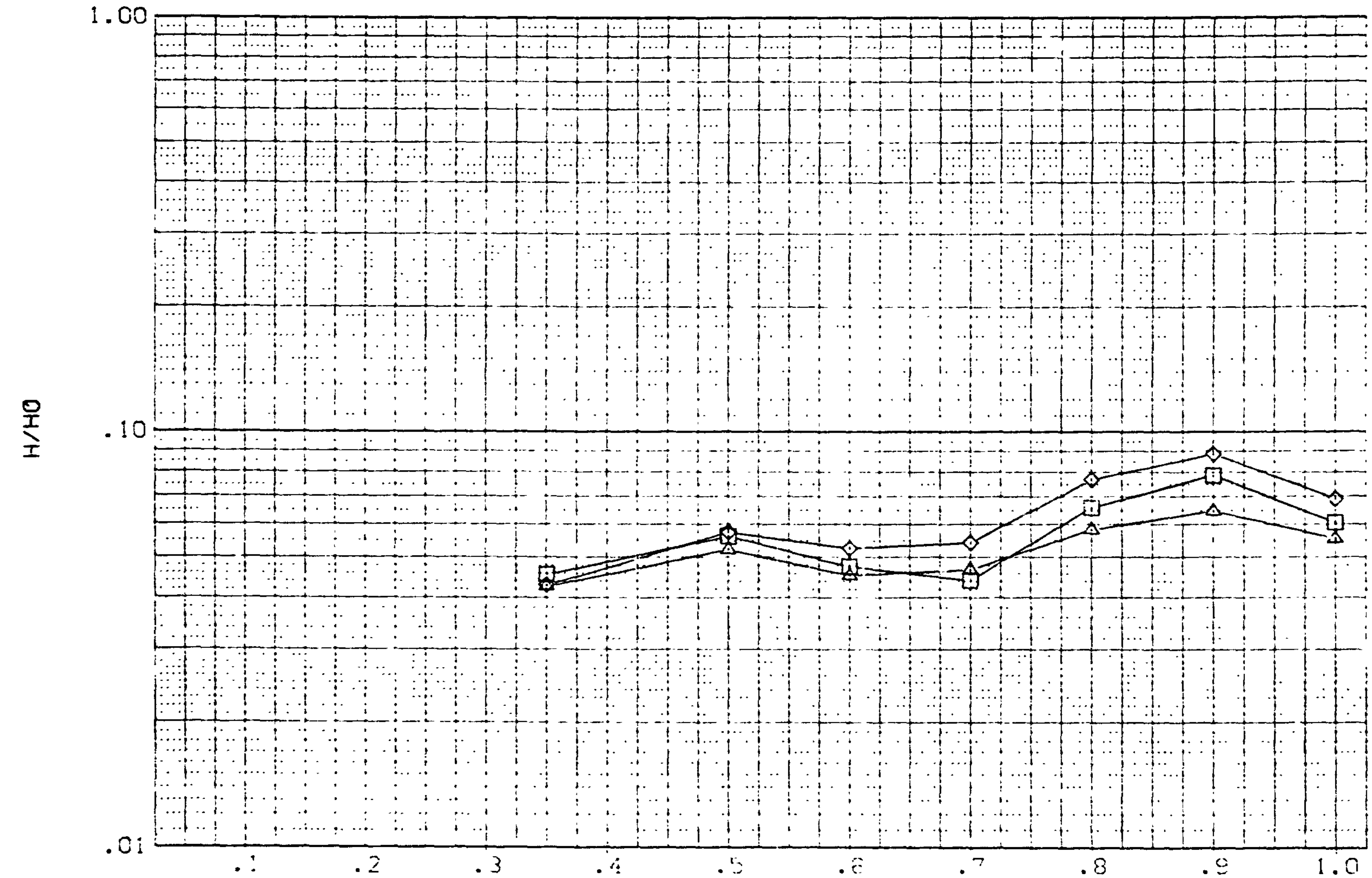


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 5.000 [illegible] .830 [illegible] 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLB03)	□	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

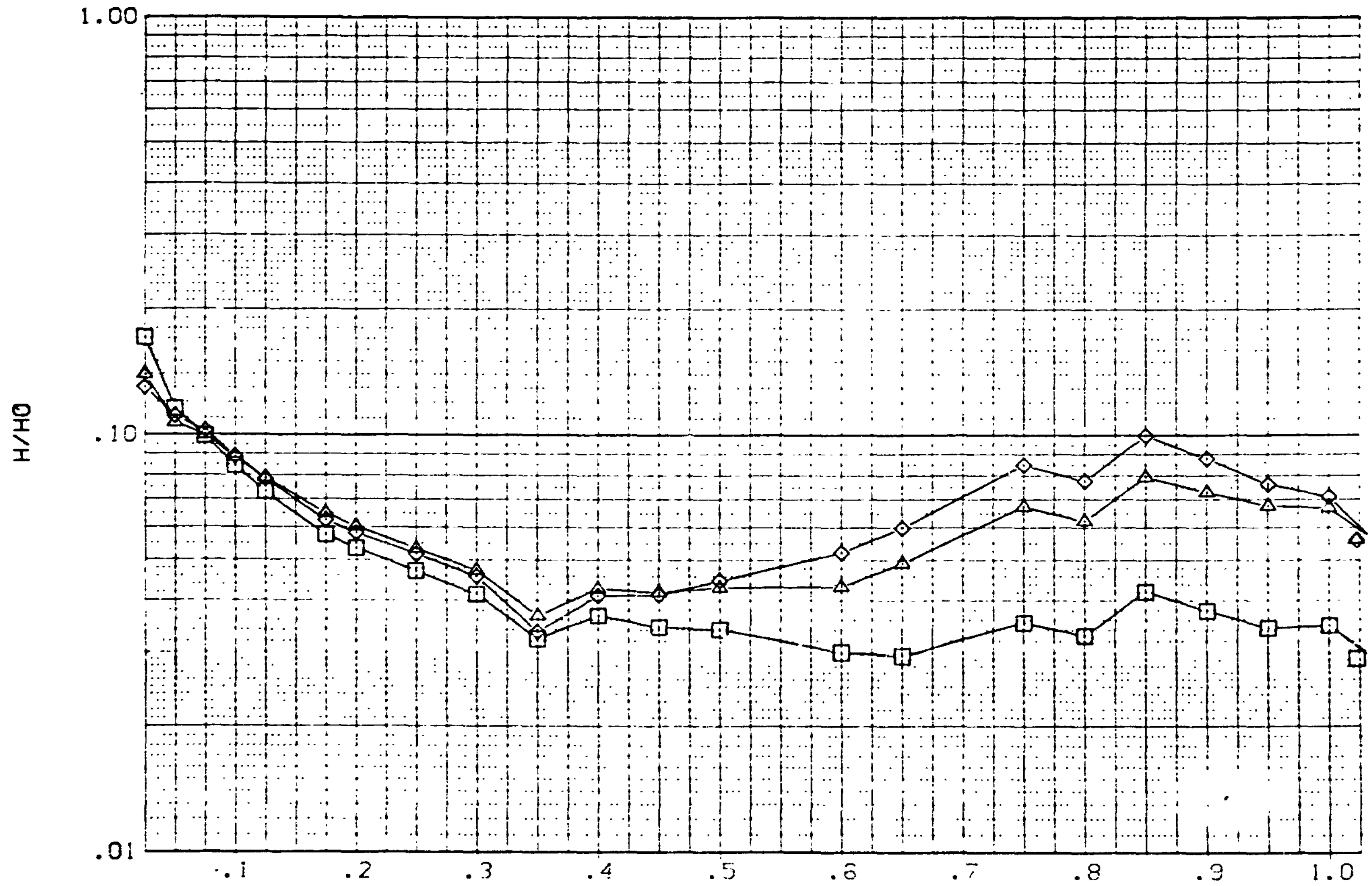


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 5.000 HAW HT = .900 R.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLB03)	□	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

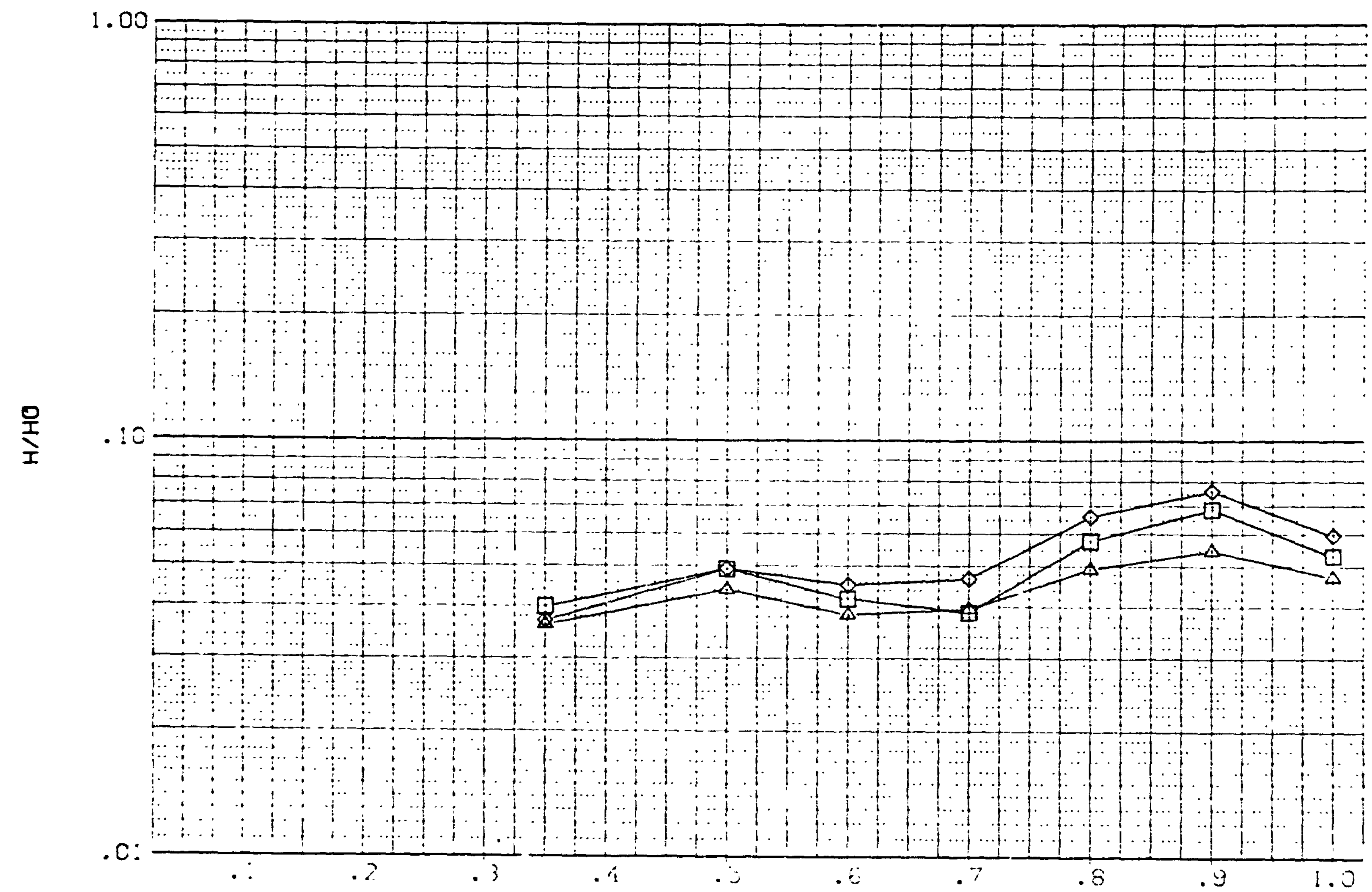
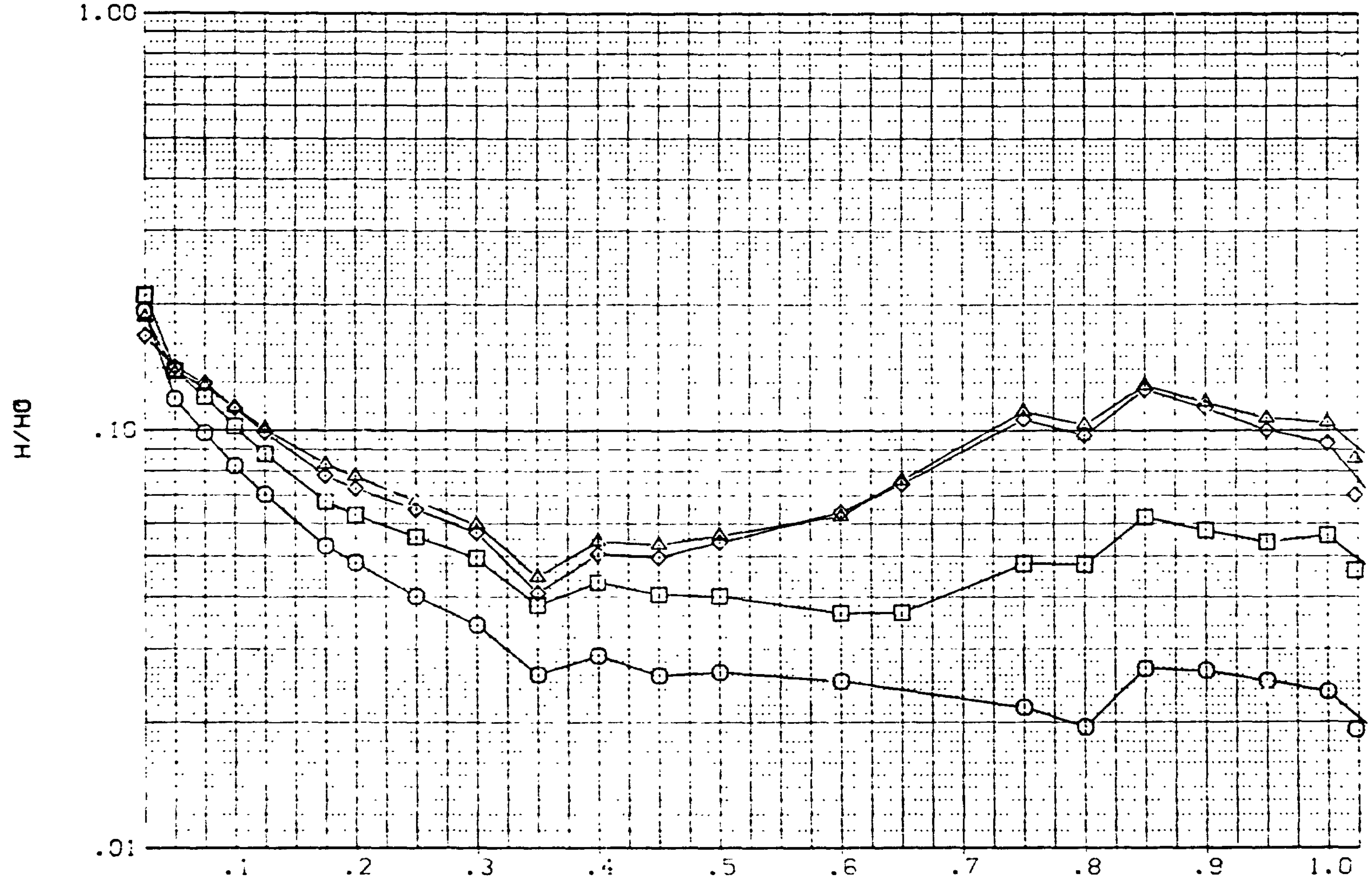


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 5.000 HAW/HT = .900 R.P. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLB02)	○	OH14 B22C7F5M4.7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(PCLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(PCLB04)	◇	OH14 B22C7F5M4.7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(PCLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 5.000 HAW/HI = .850 B.F. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(PQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(PQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

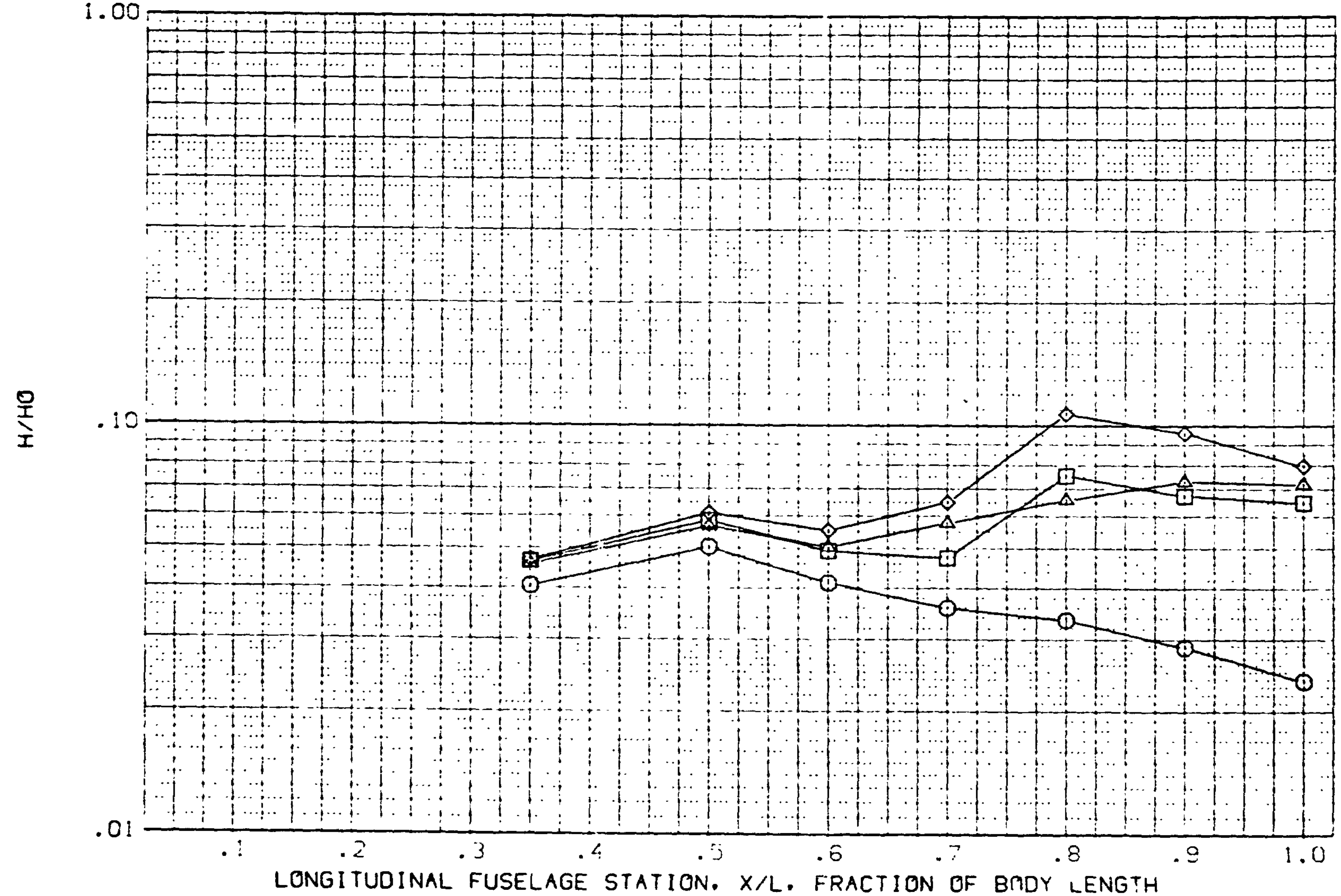
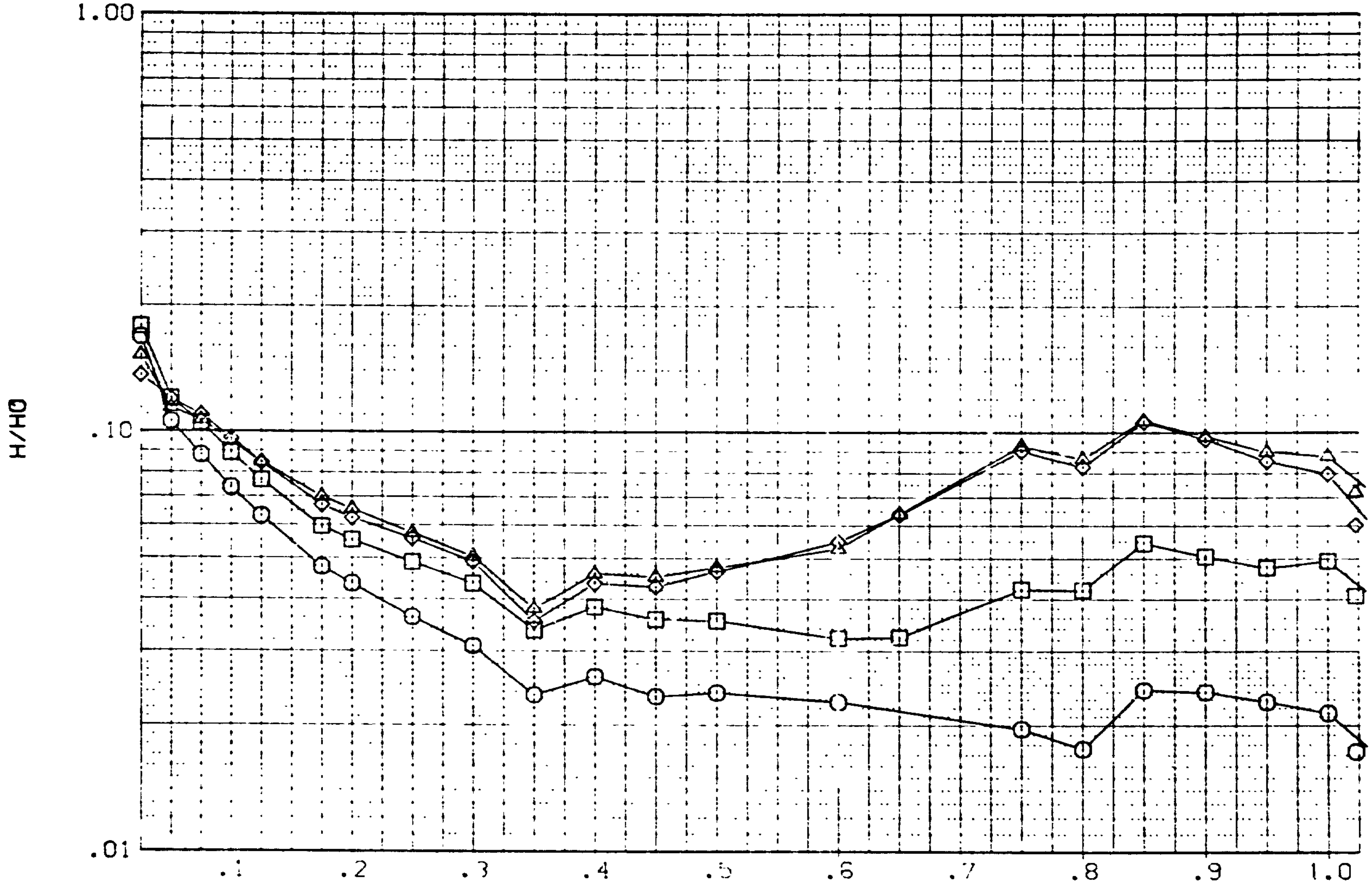


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 6.000 HAW/HT = .850 B.P. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLB04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION. X/L. FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

PN/L = 8.000 .900 .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(PQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(PQLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(PQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

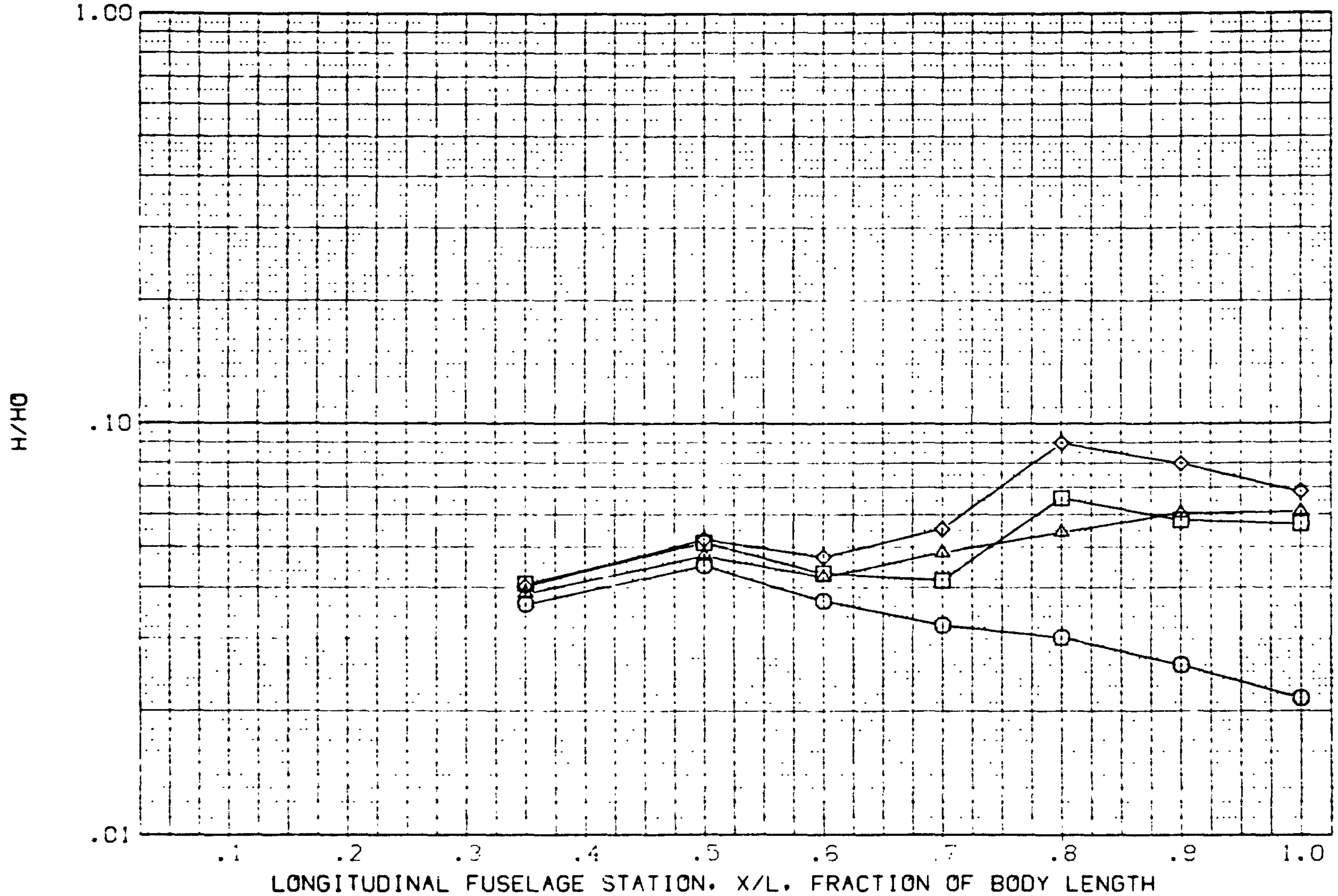


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 6.000 HAW/HT = .903 R.T. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RCLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

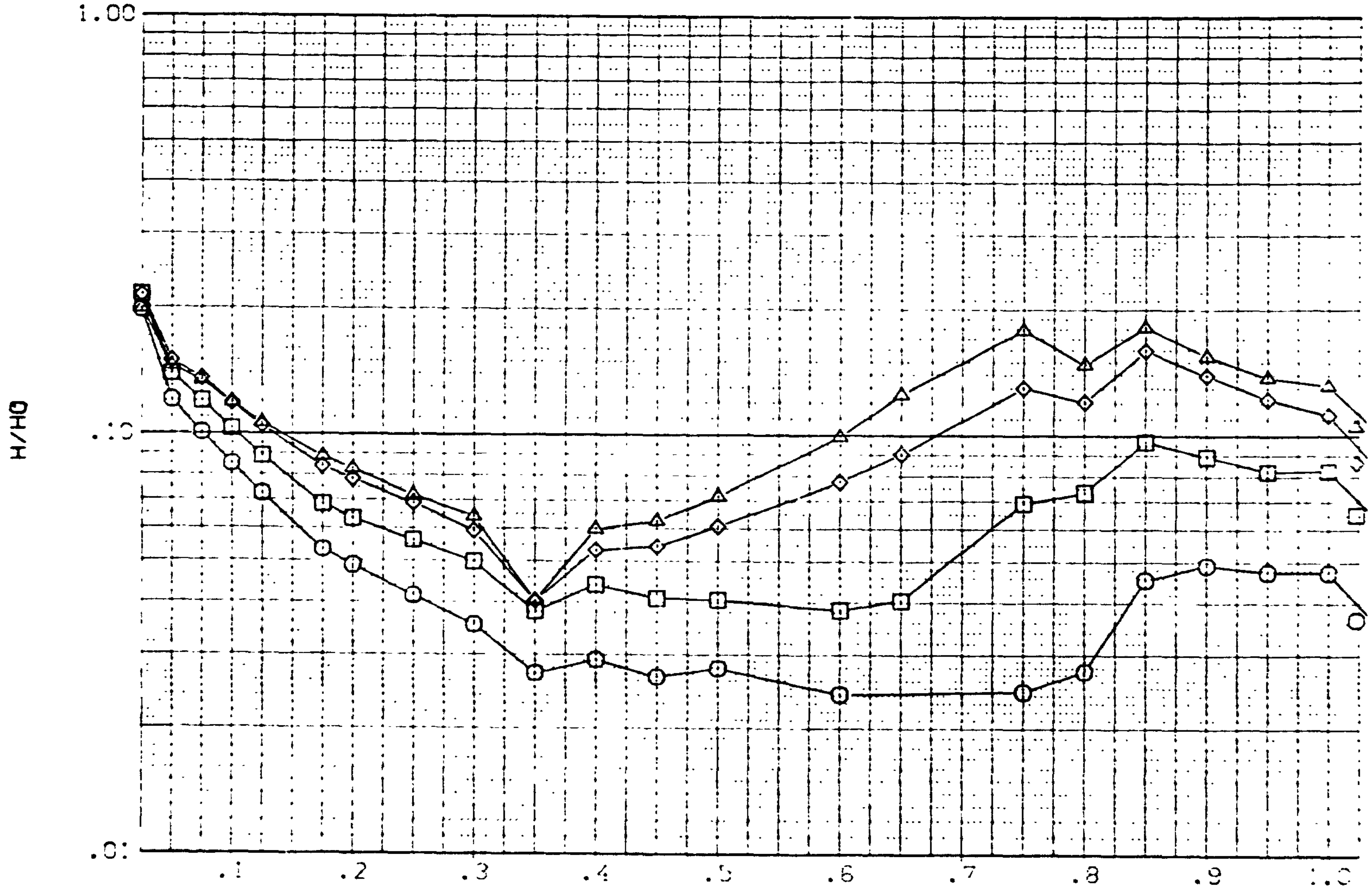


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 0.000 HAW/HT = .850 R/L = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCL8O2)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RCL8O3)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCL8O4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCL8O5)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

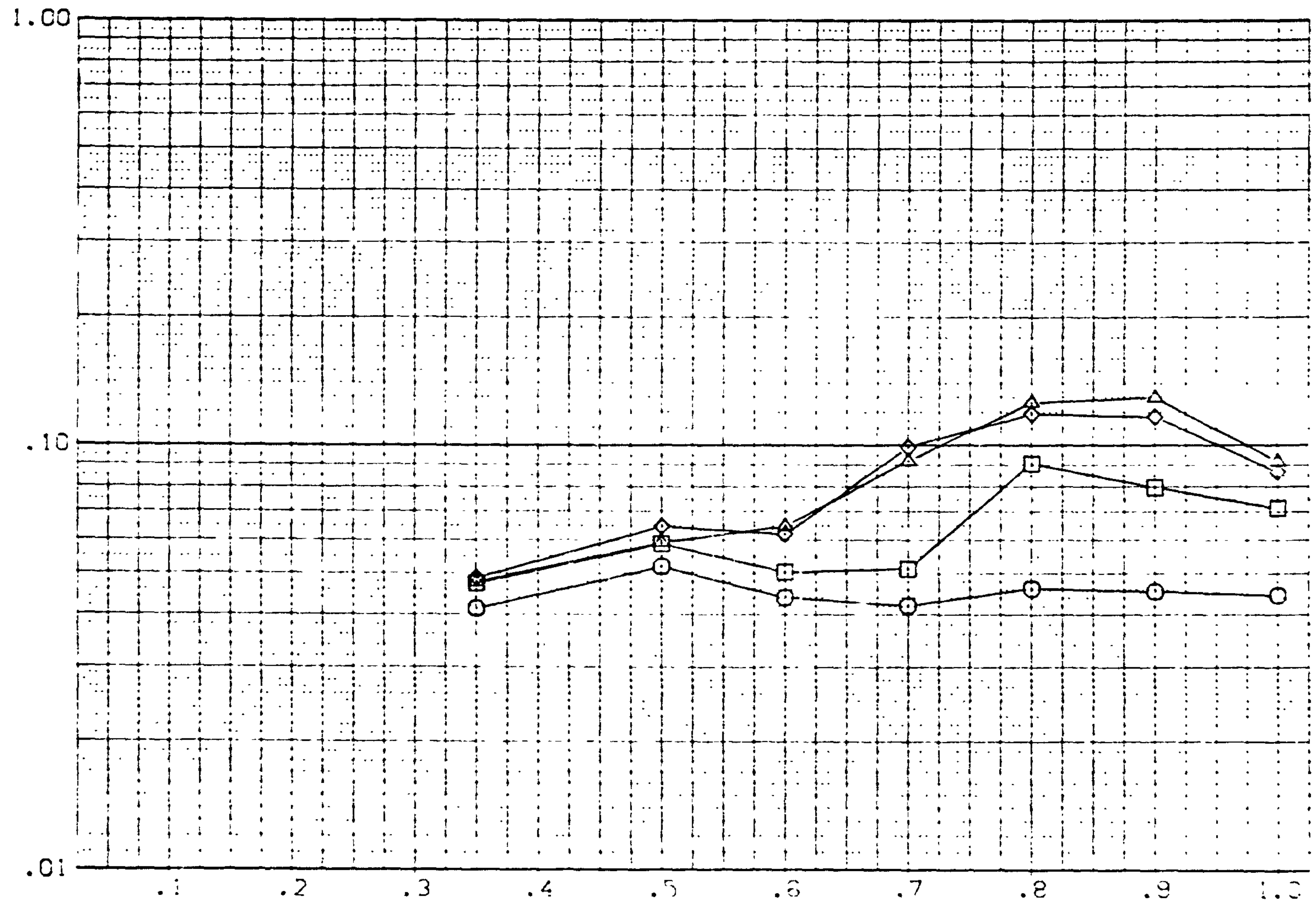


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 8.000 HA/HT = .850 [illegible]

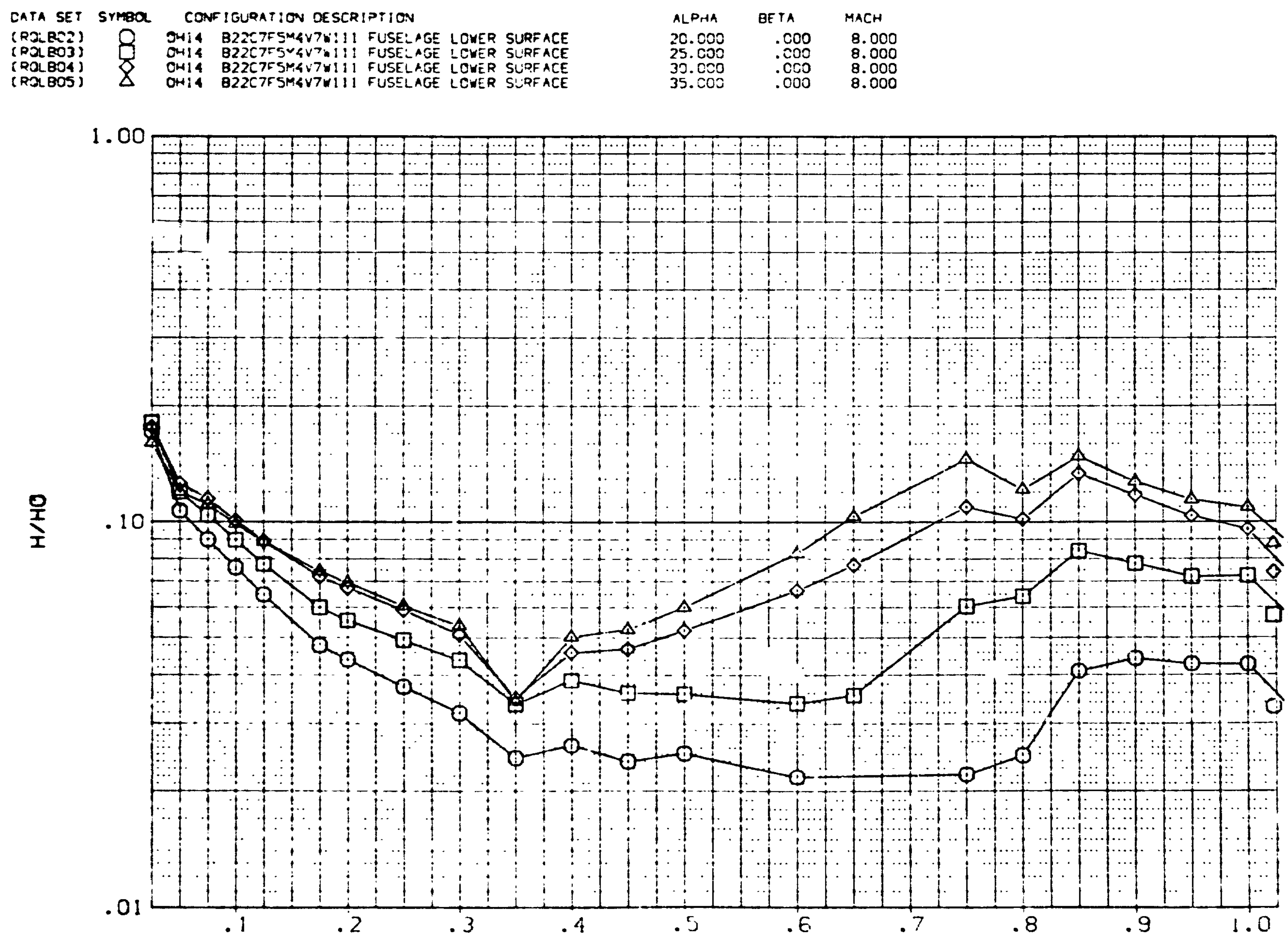


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 8.000 HAW/HT = .900 B.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLB02)	○	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	20.000	.000	8.000
(RQLB03)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RQLSC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RQLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

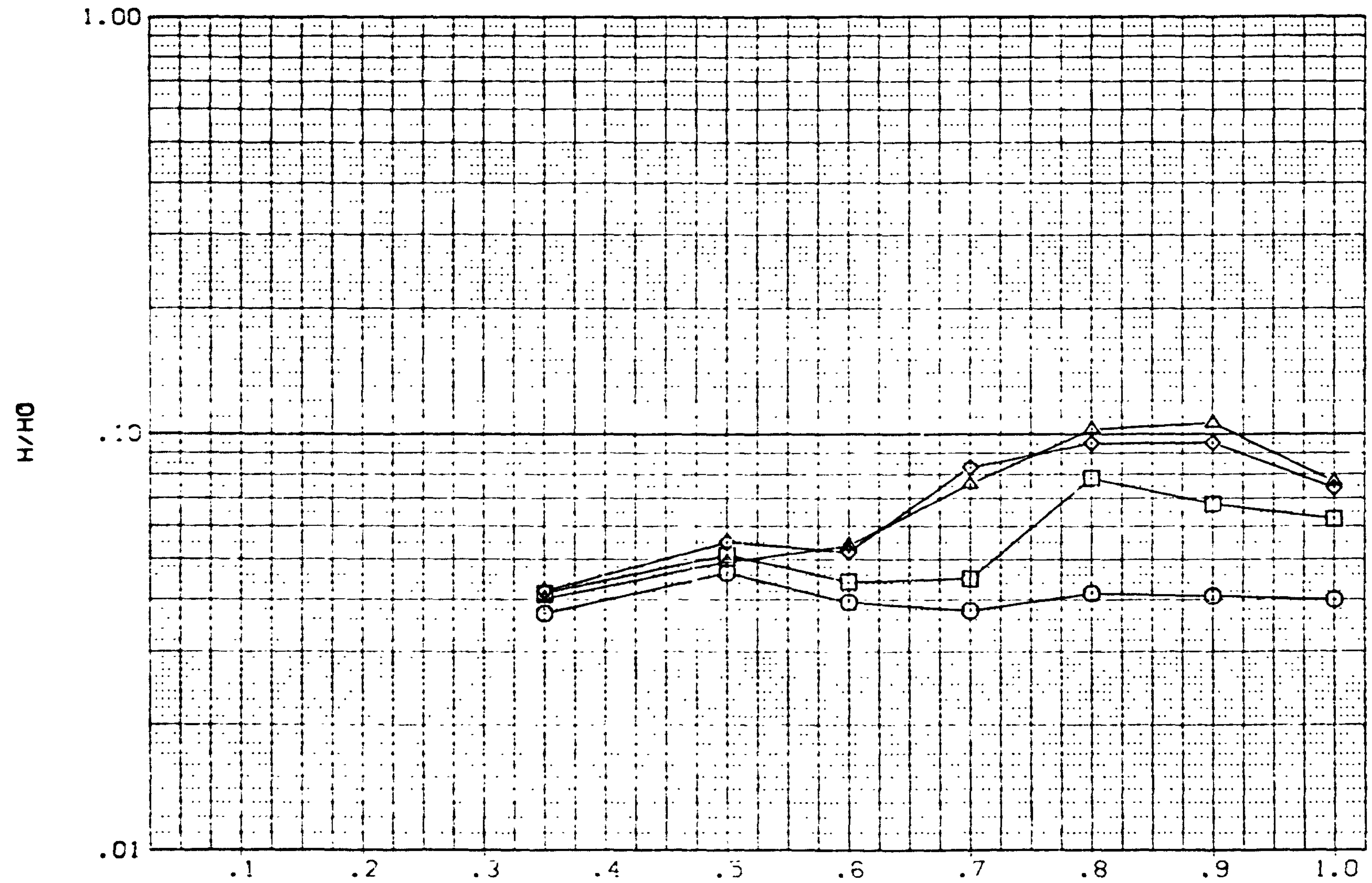
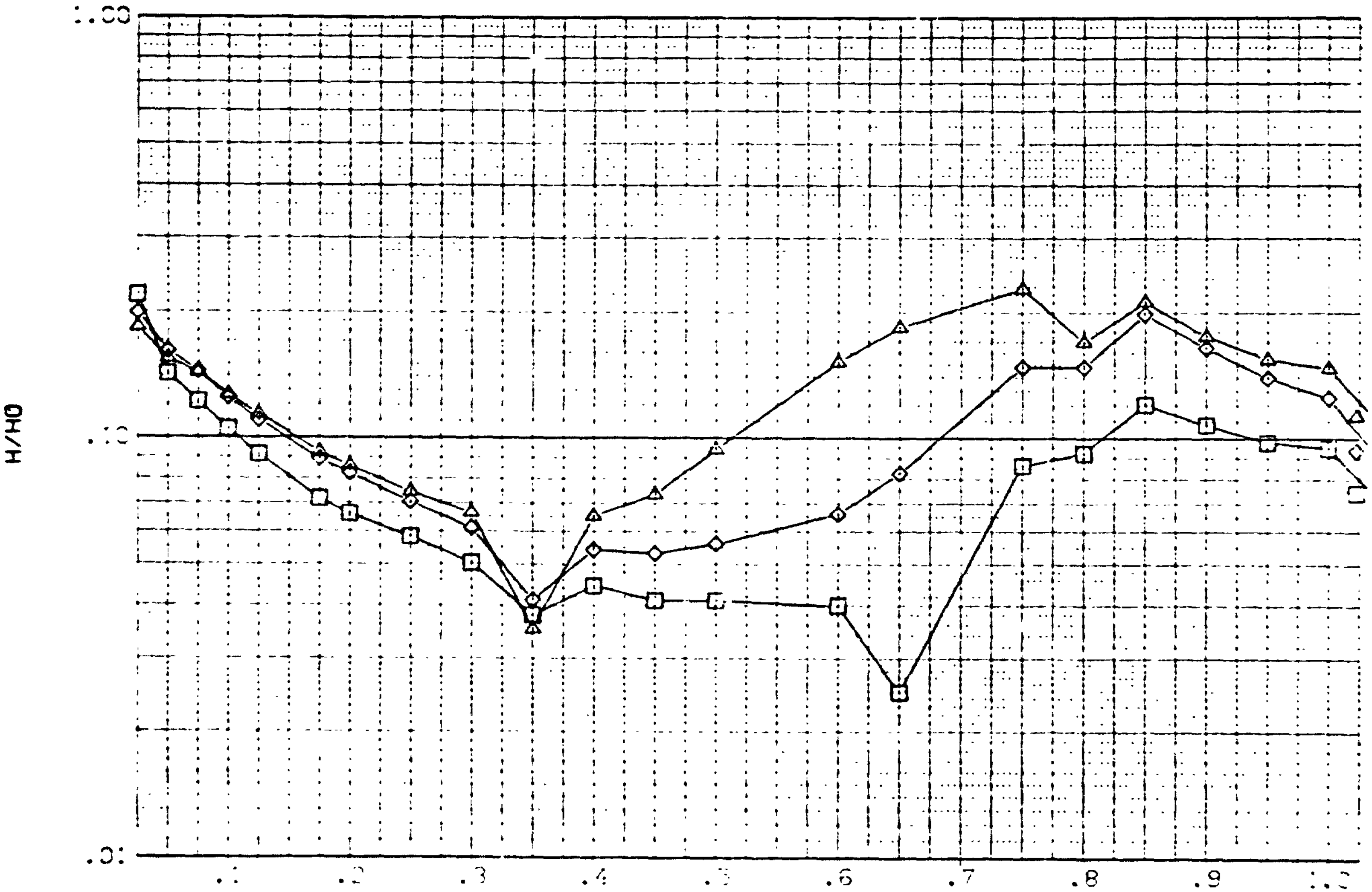


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 8.000 HAW/HT = .900 B.P. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLB02)	◻	DATA NOT AVAILABLE	20.000	.000	8.000
(RCLB03)	◻	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(RCLB04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(RCLB05)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000

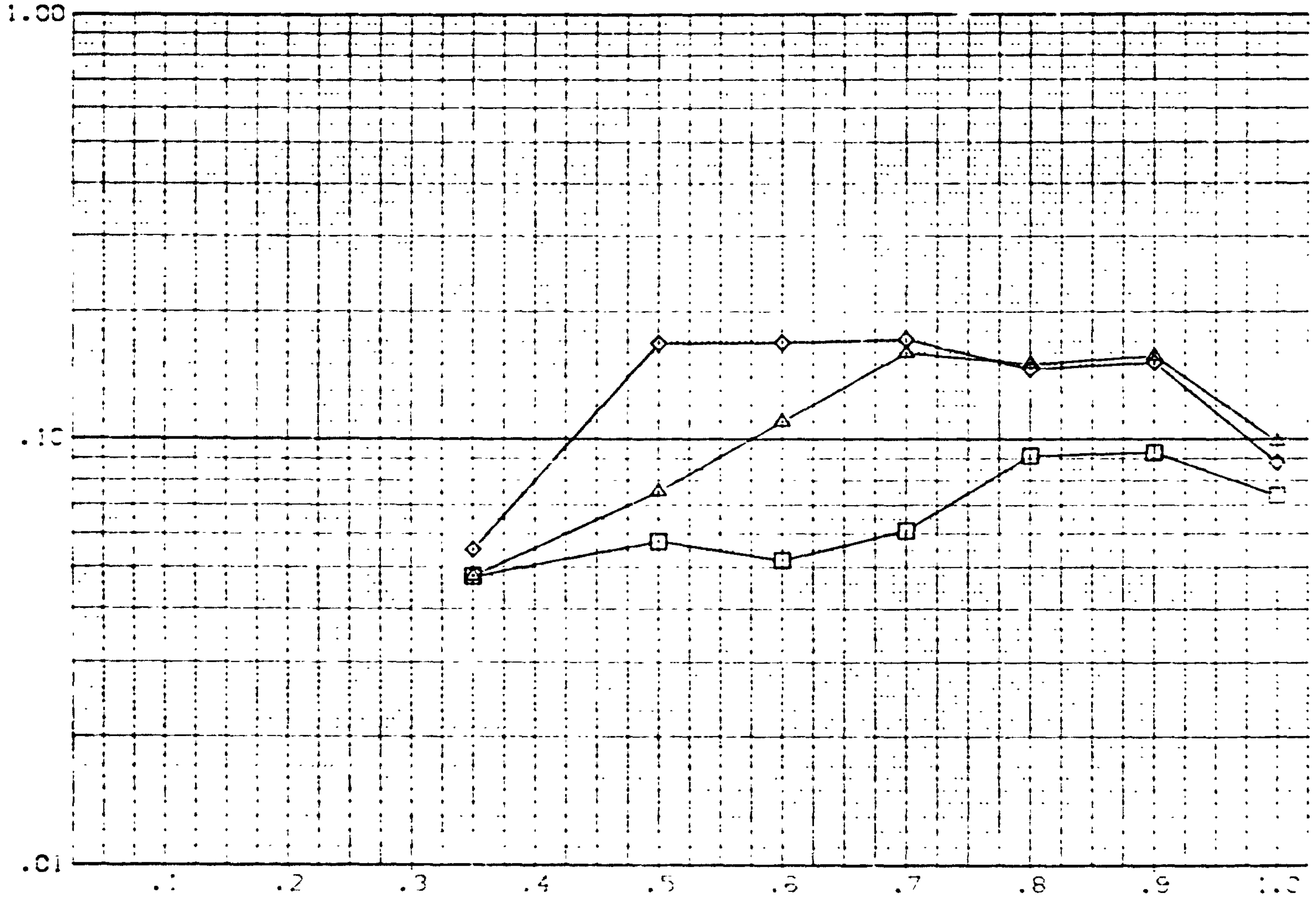


LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 10.000 HAW/HT = .850 B.P. = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PCLB02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(PCLB03)	□	OH14 B22C7FSM4.T#111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(PCLB04)	△	OH14 B22C7FSM4.T#111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(PCLB05)	◇	OH14 B22C7FSM4V7#111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 10.000 HAW/HT = .850 R.H. = 117.000

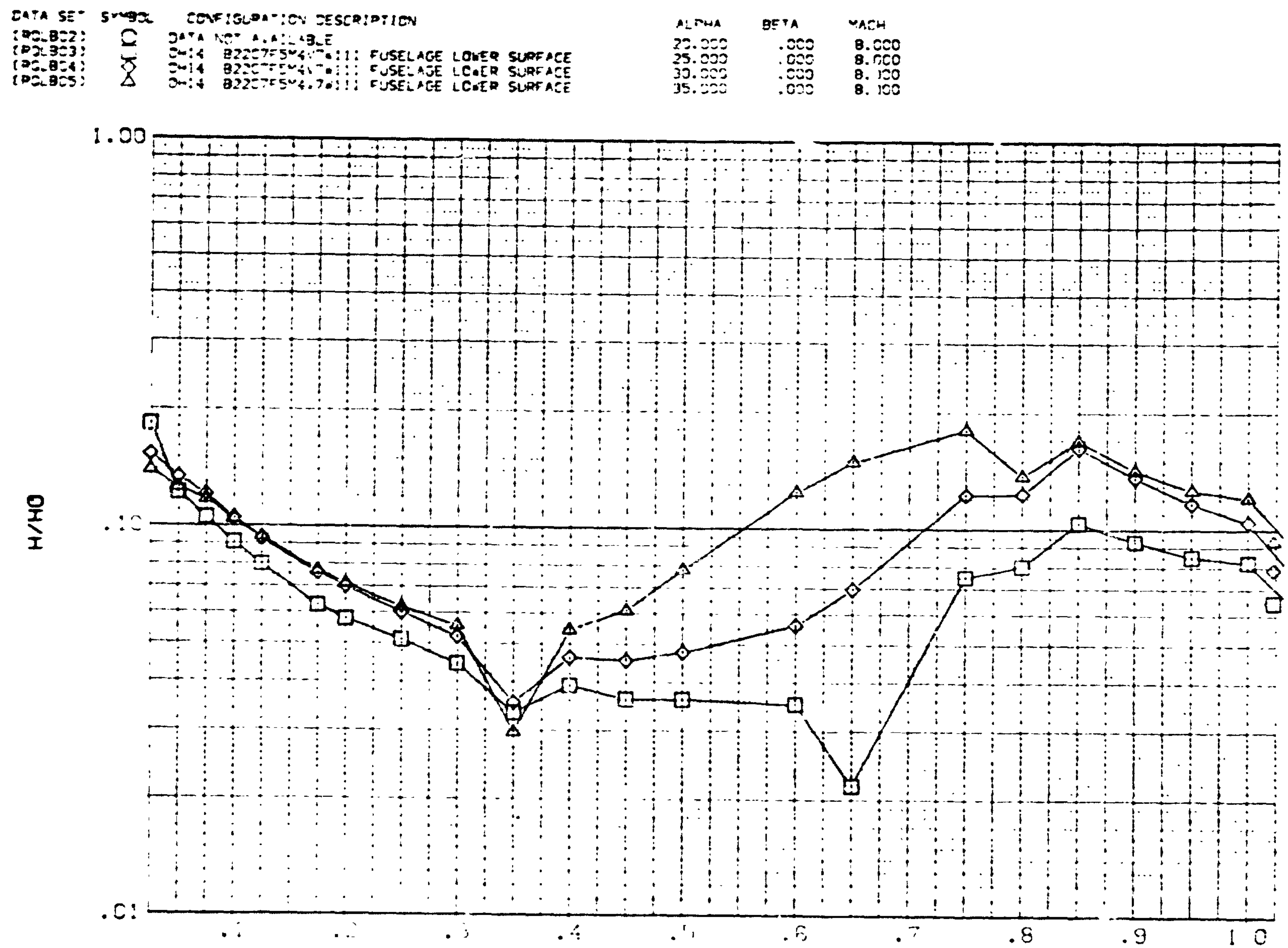
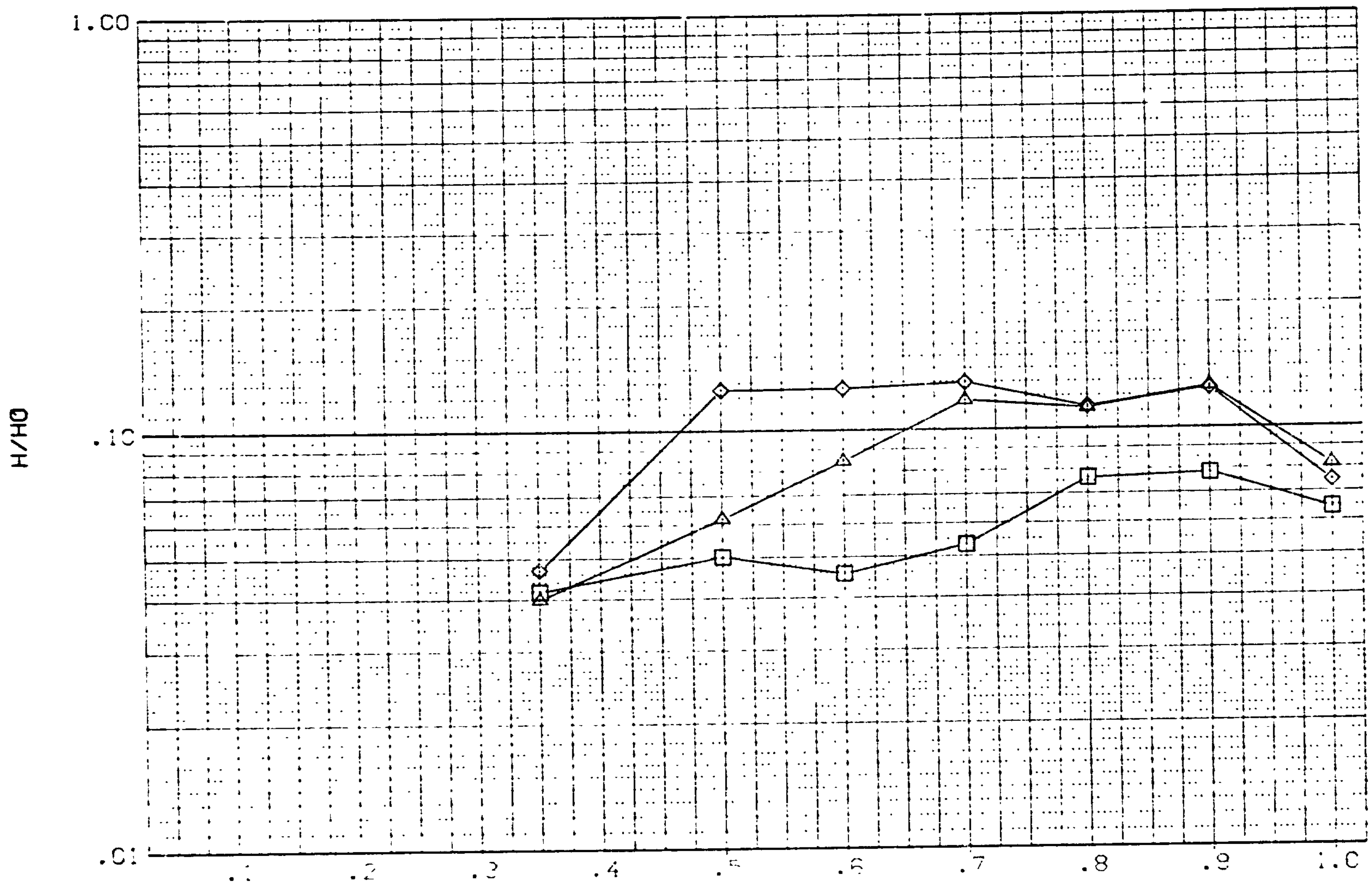


FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 10.000 .900 = .000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQLBC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(PQLBC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	25.000	.000	8.000
(PQLBC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	30.000	.000	8.000
(PQLBC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 16 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE LOWER SURFACE

RN/L = 10.000 HAW/HT = .900 B.P. = 117.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RSL#02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RSL#03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RSL#04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RSL#05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

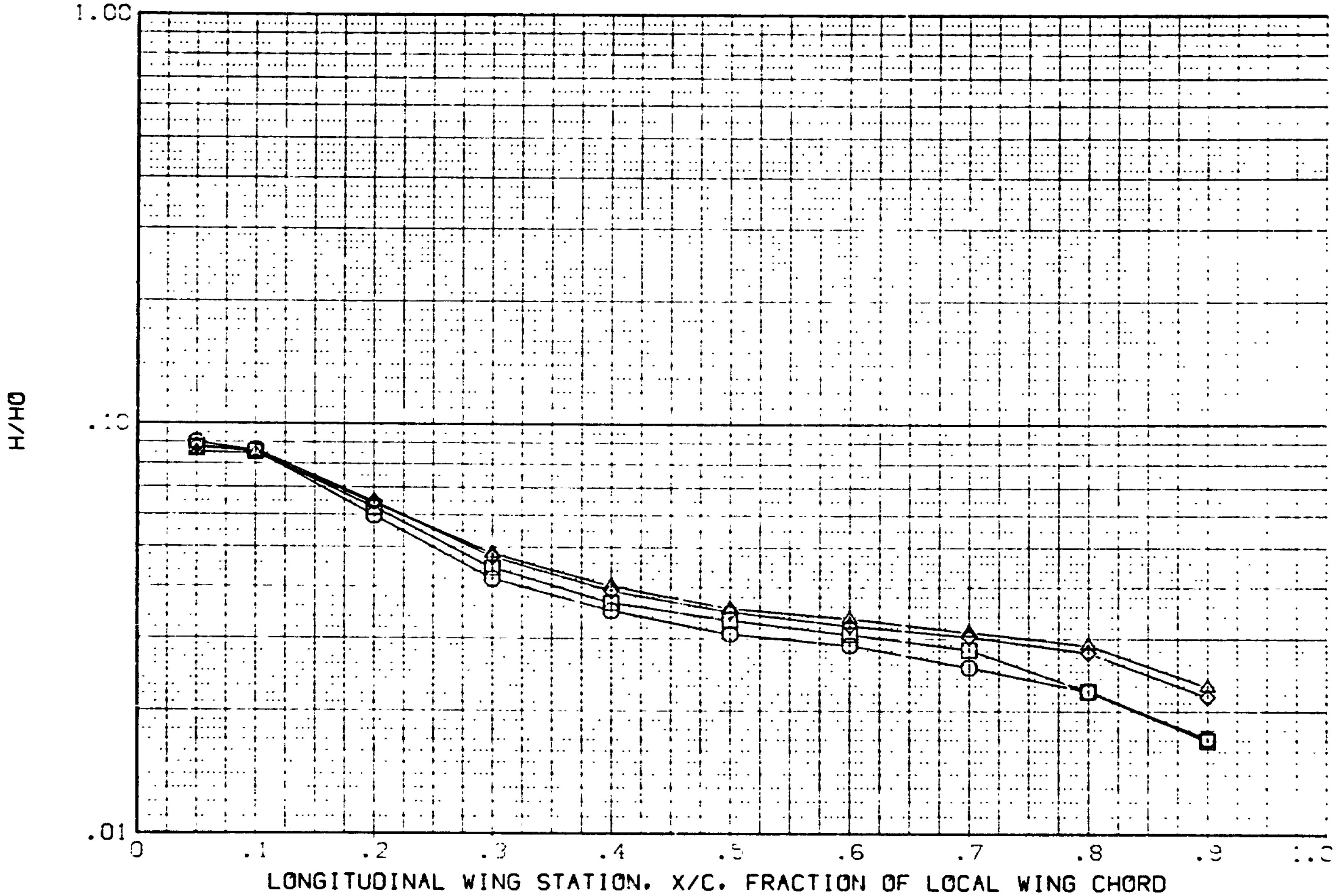


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 1.000 HAW/HT = .850 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(PQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(PQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(PQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

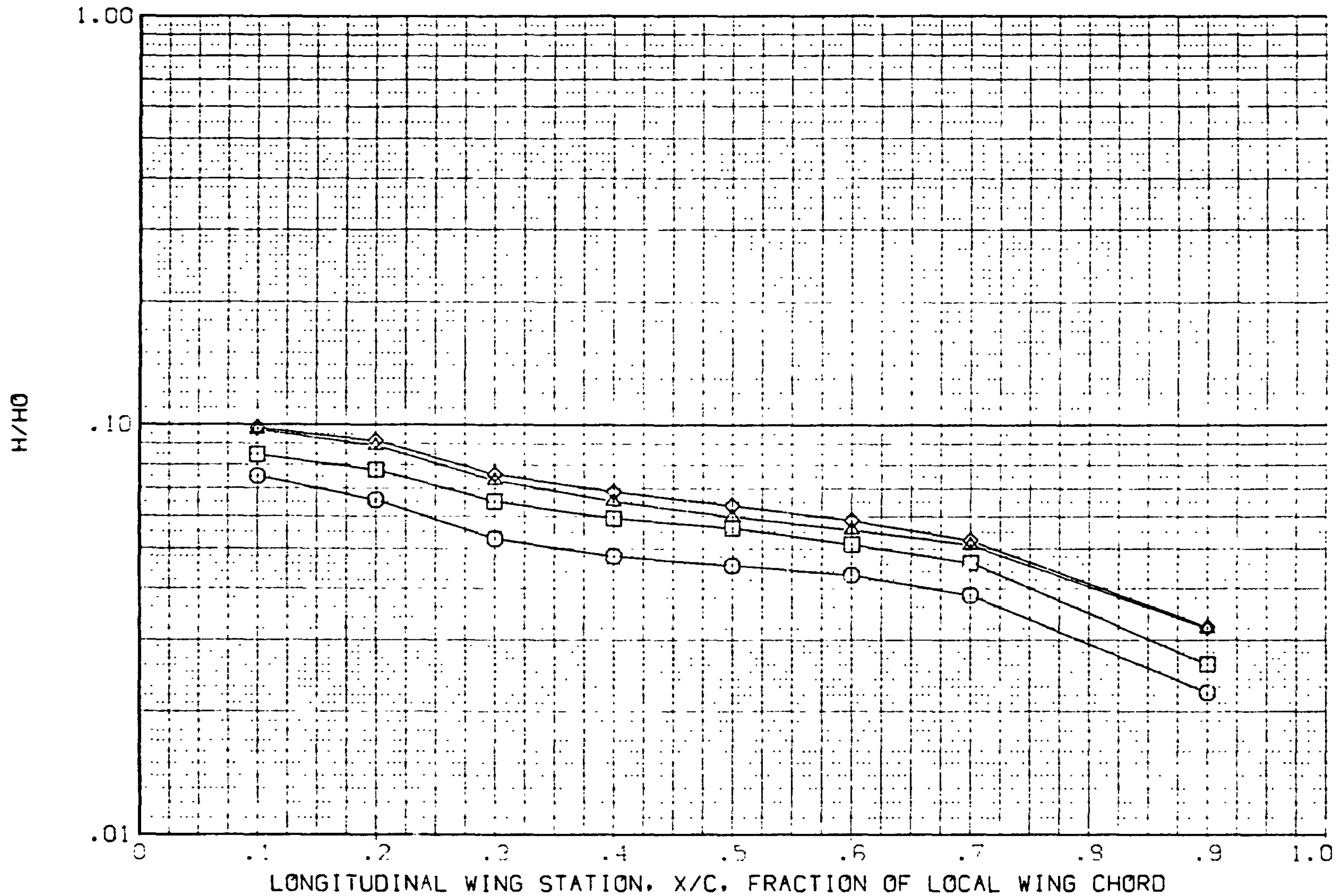


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 1.000 HAW/HT = .850 [illegible] .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

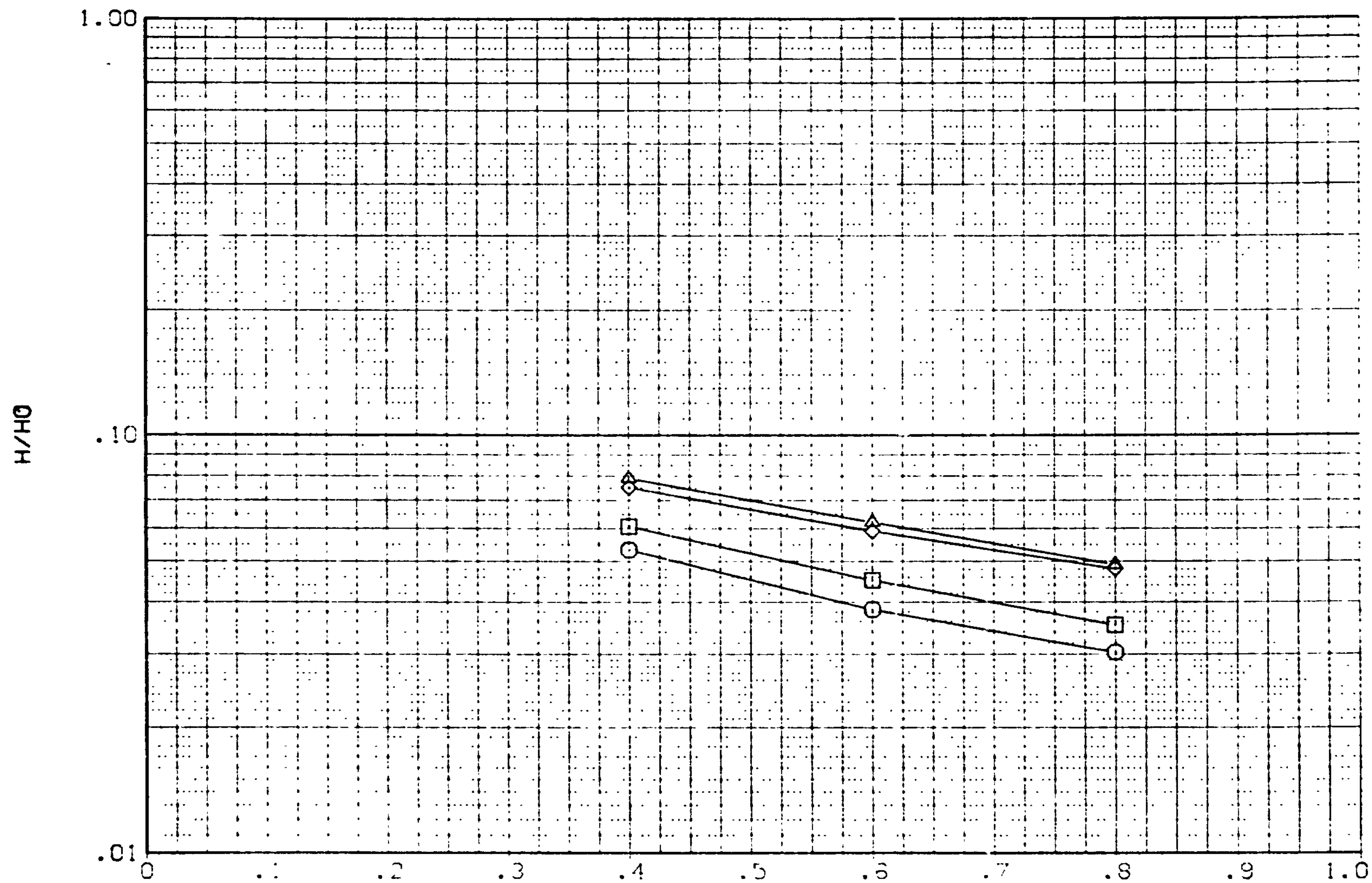


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 1.000 HAW/-T = .850 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQL#02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQL#03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQL#04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQL#05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

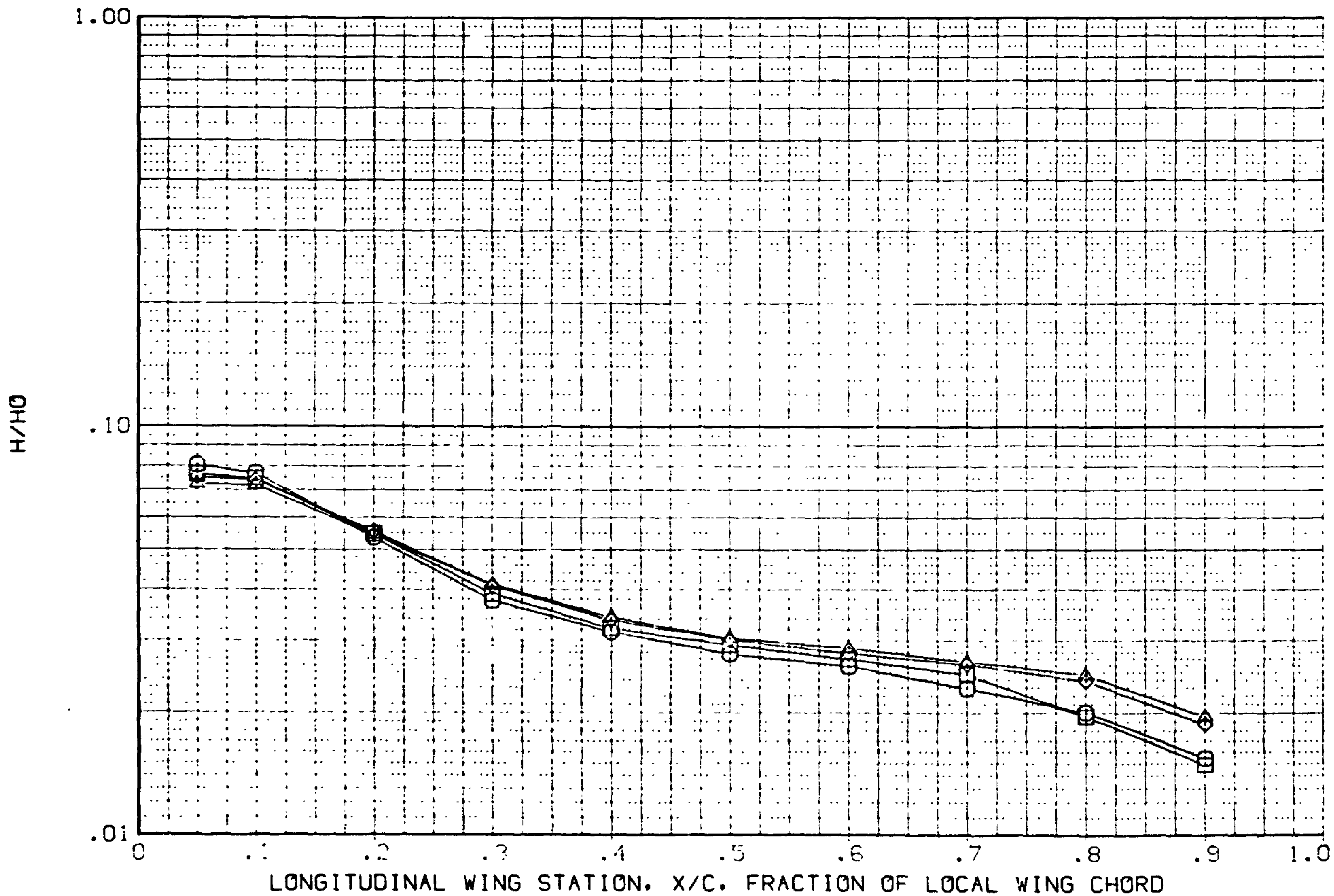


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 1.000 HAW/HT = .900 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGL#02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	3.000
(RGL#03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	3.000
(RGL#04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	3.000
(RGL#05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	3.000

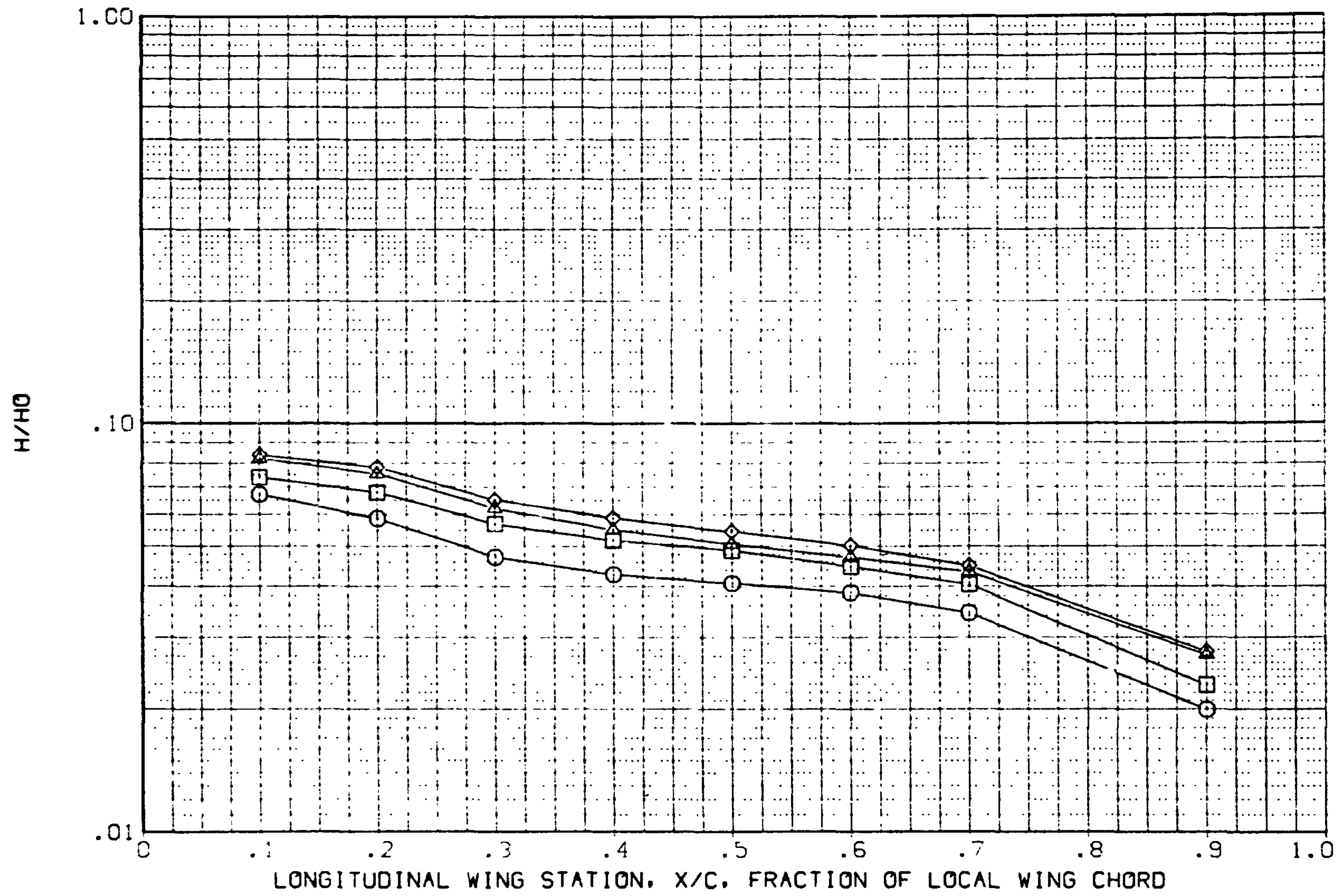
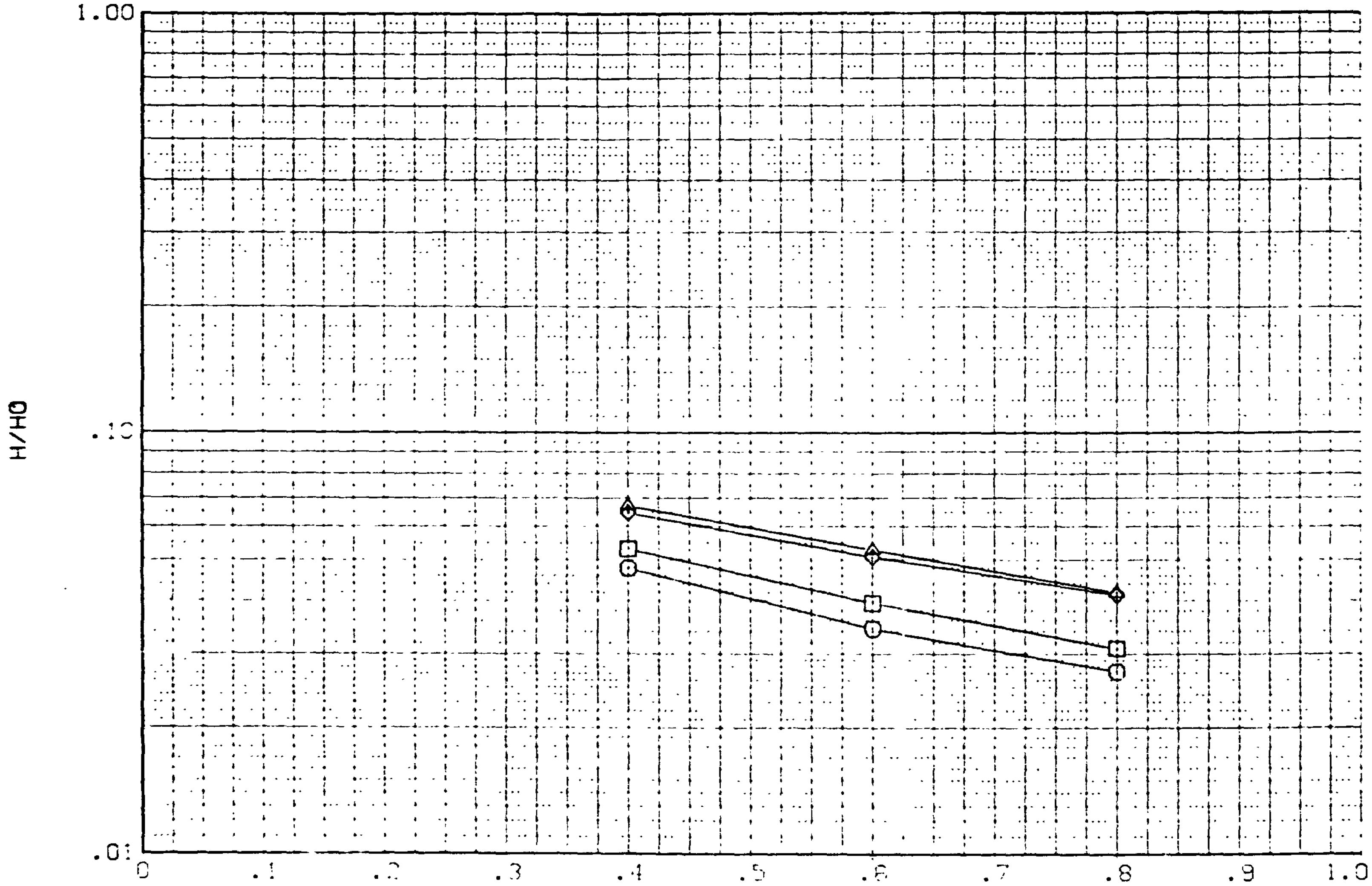


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 1.000 HAW/HT = .900 2Y/B - .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RGLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RGLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RGLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = .000 HAW/HT = .900 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLW02)	○	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RGLW03)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RGLW04)	◇	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RGLW05)	△	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

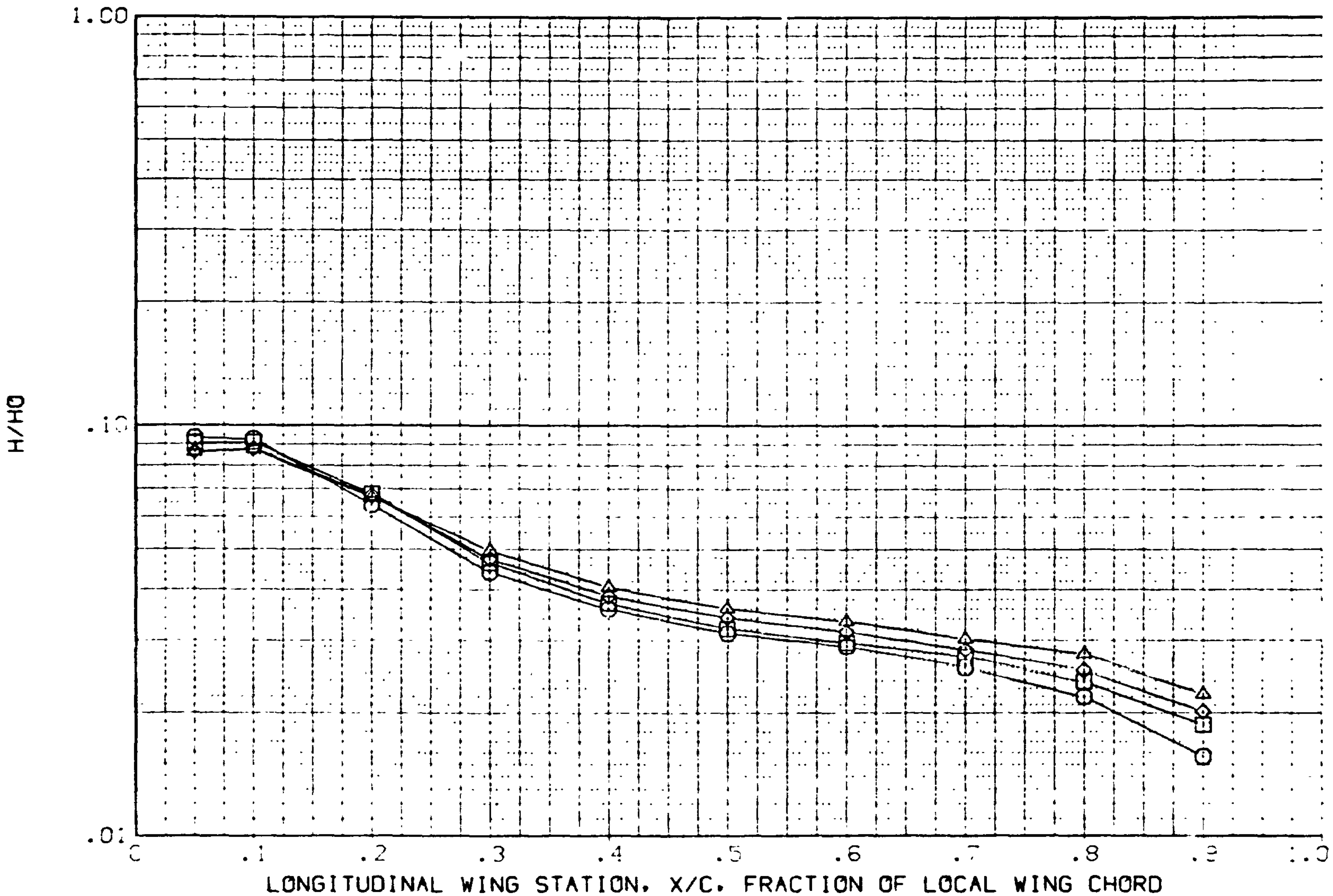


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 3.000 HAW/HT = .250 2Y/B = .400

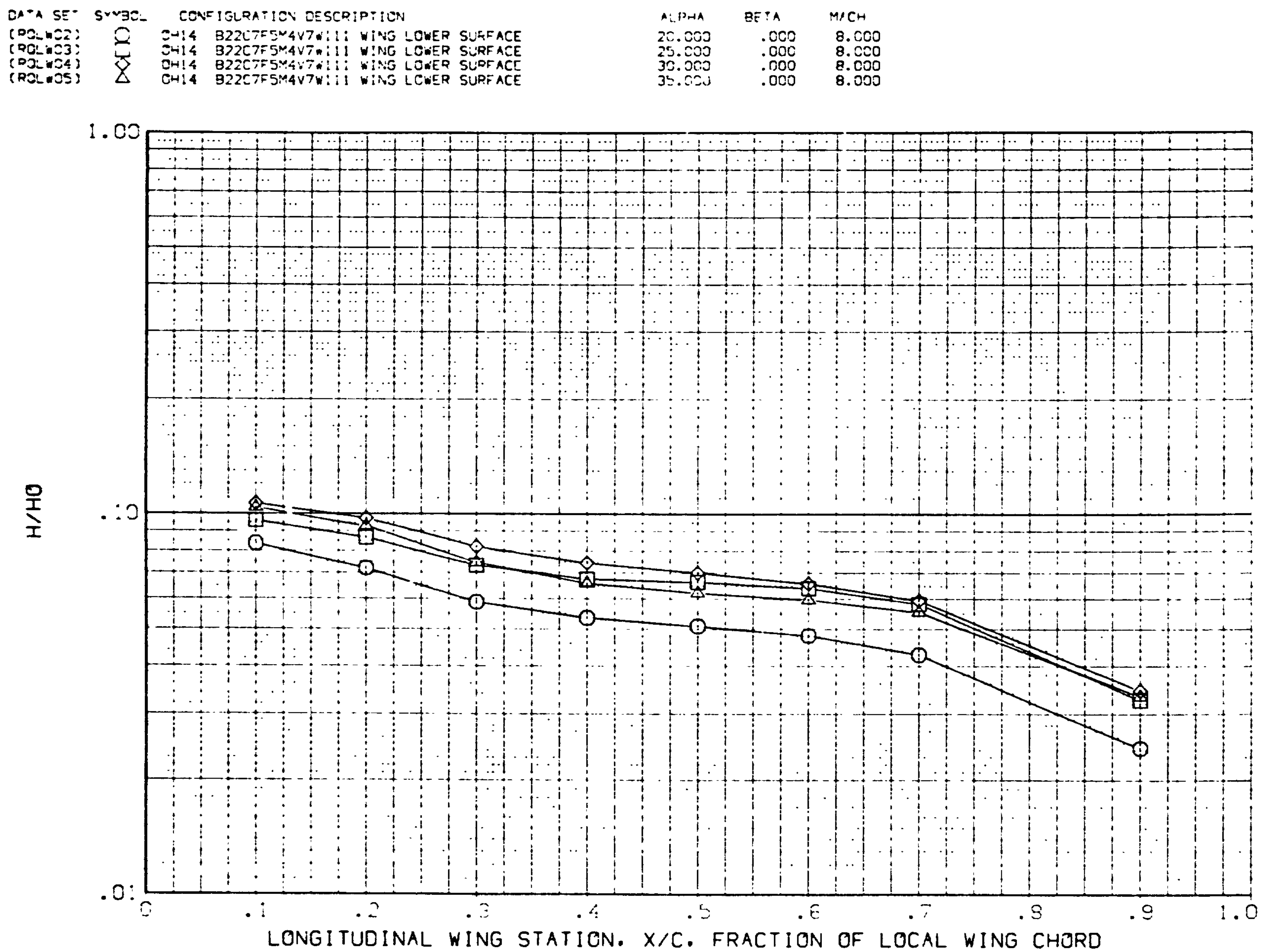


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 3.000 HAW/HT = .850 2Y/B = .600

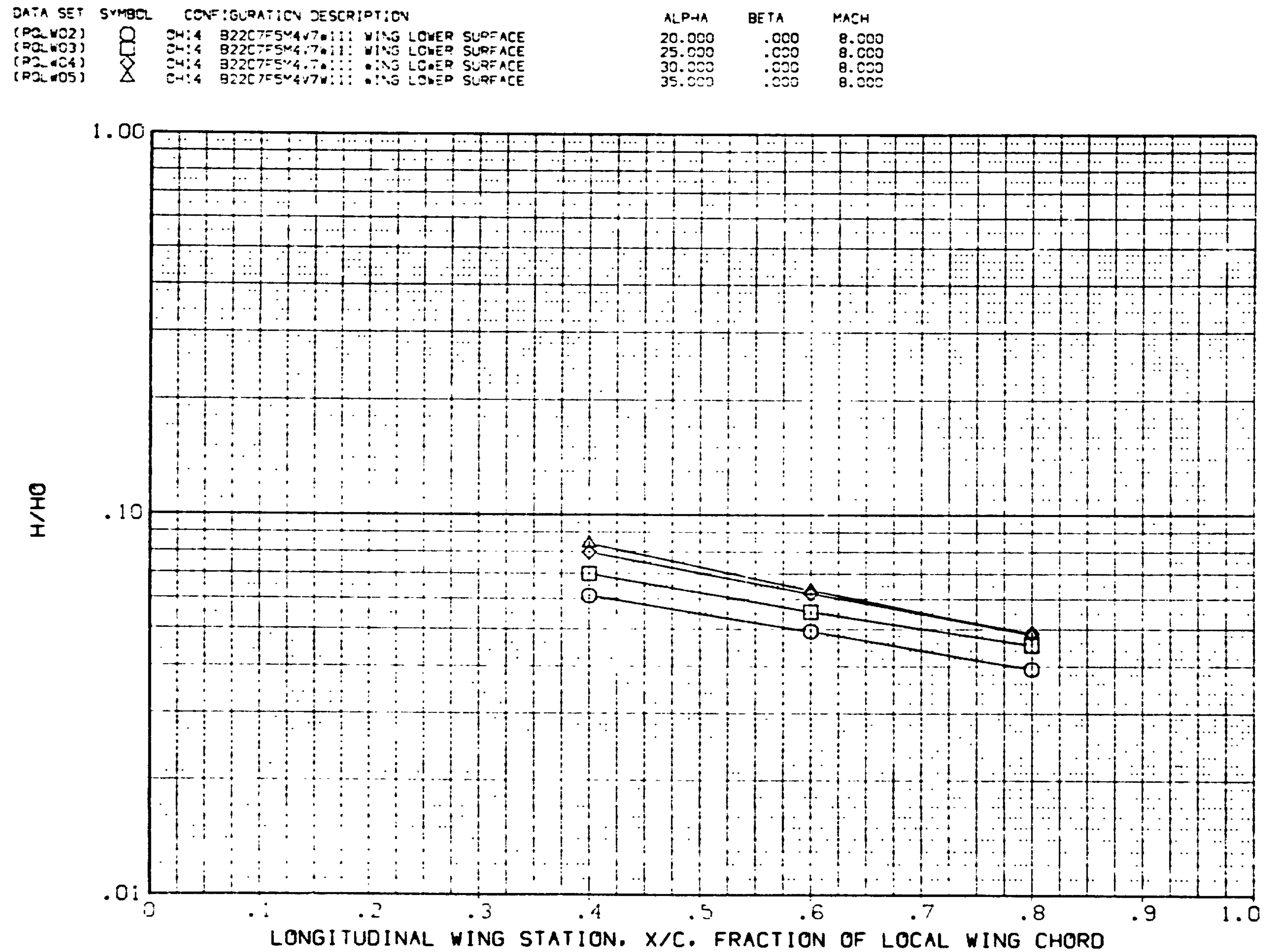


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 3.000 HAW/HT = .850 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

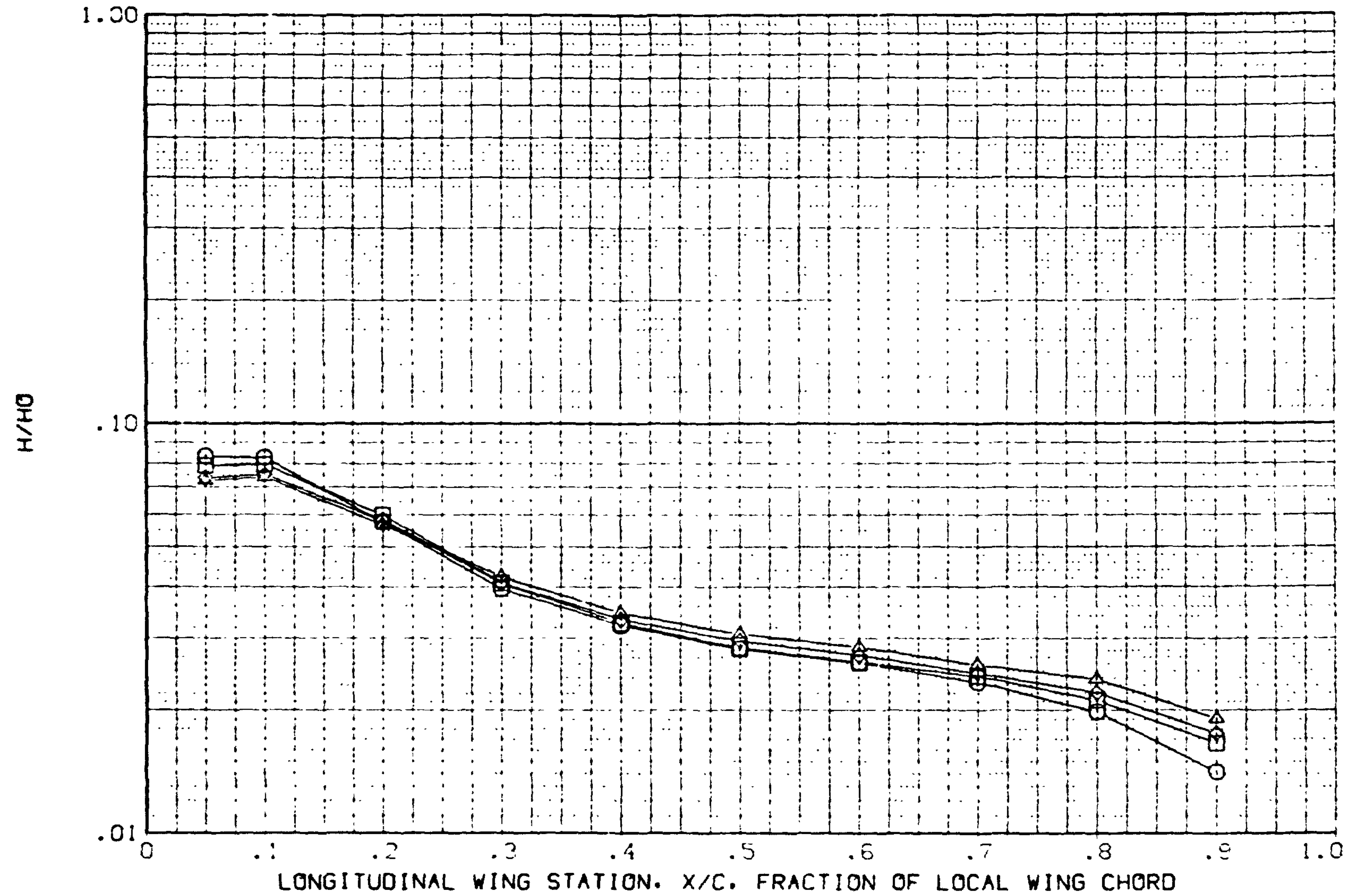


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 3.000 HAW/HT = .900 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLWC2)	○	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLWC3)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLWC4)	◇	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLWC5)	△	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

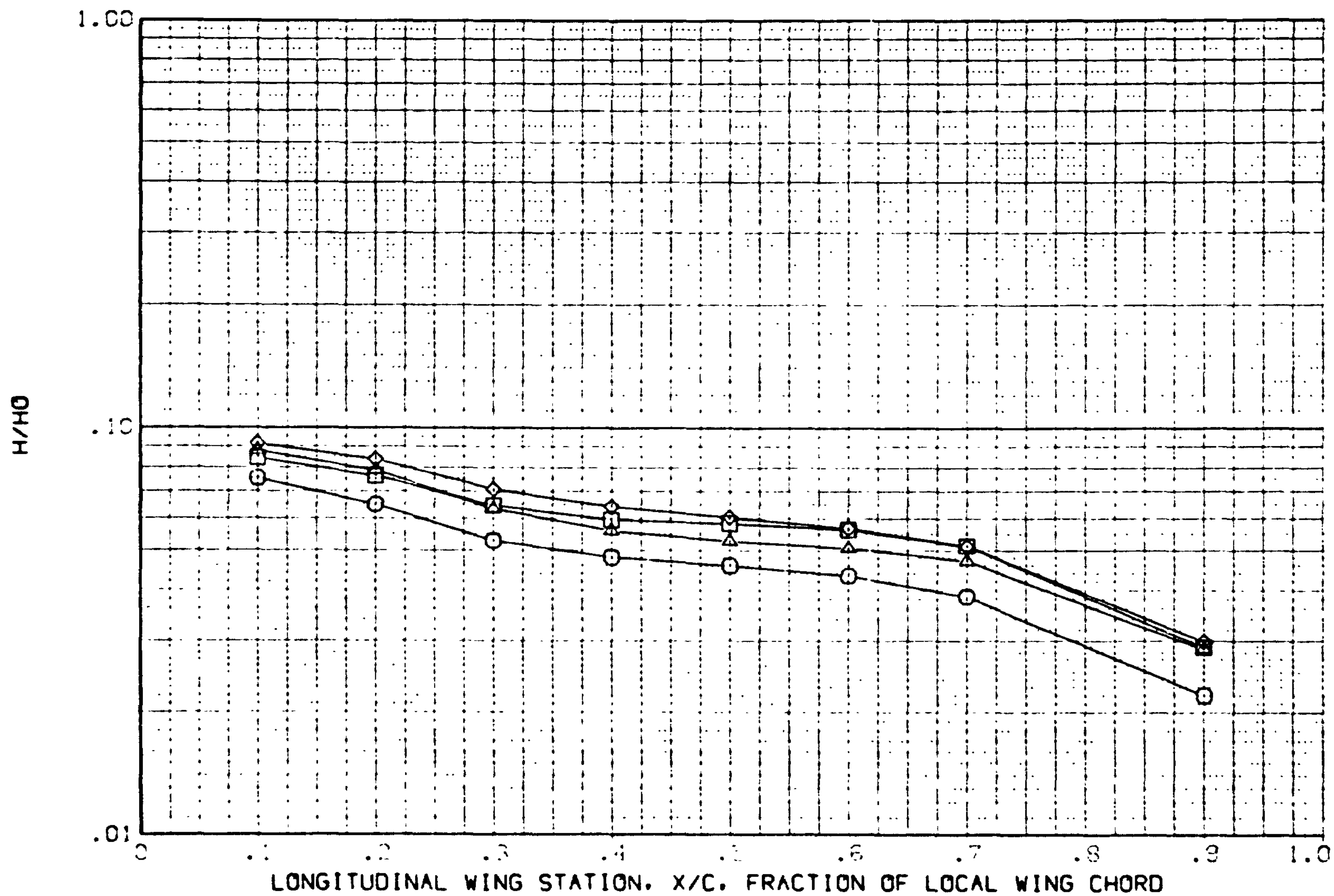
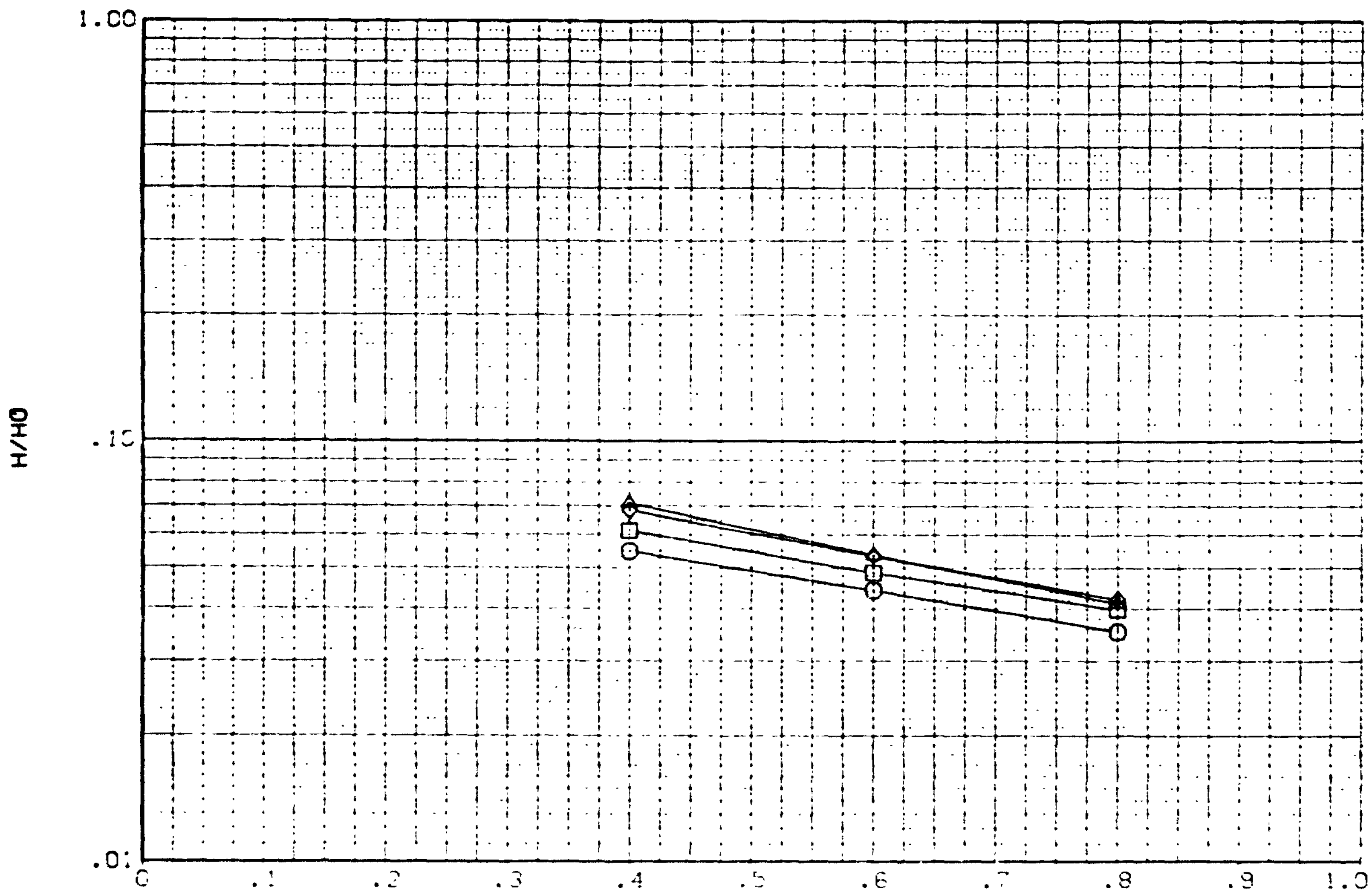


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 3.000 HAW/HT = .900 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 3.000 HAW/HT = .900 2·/B .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	3.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	3.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	3.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	3.000

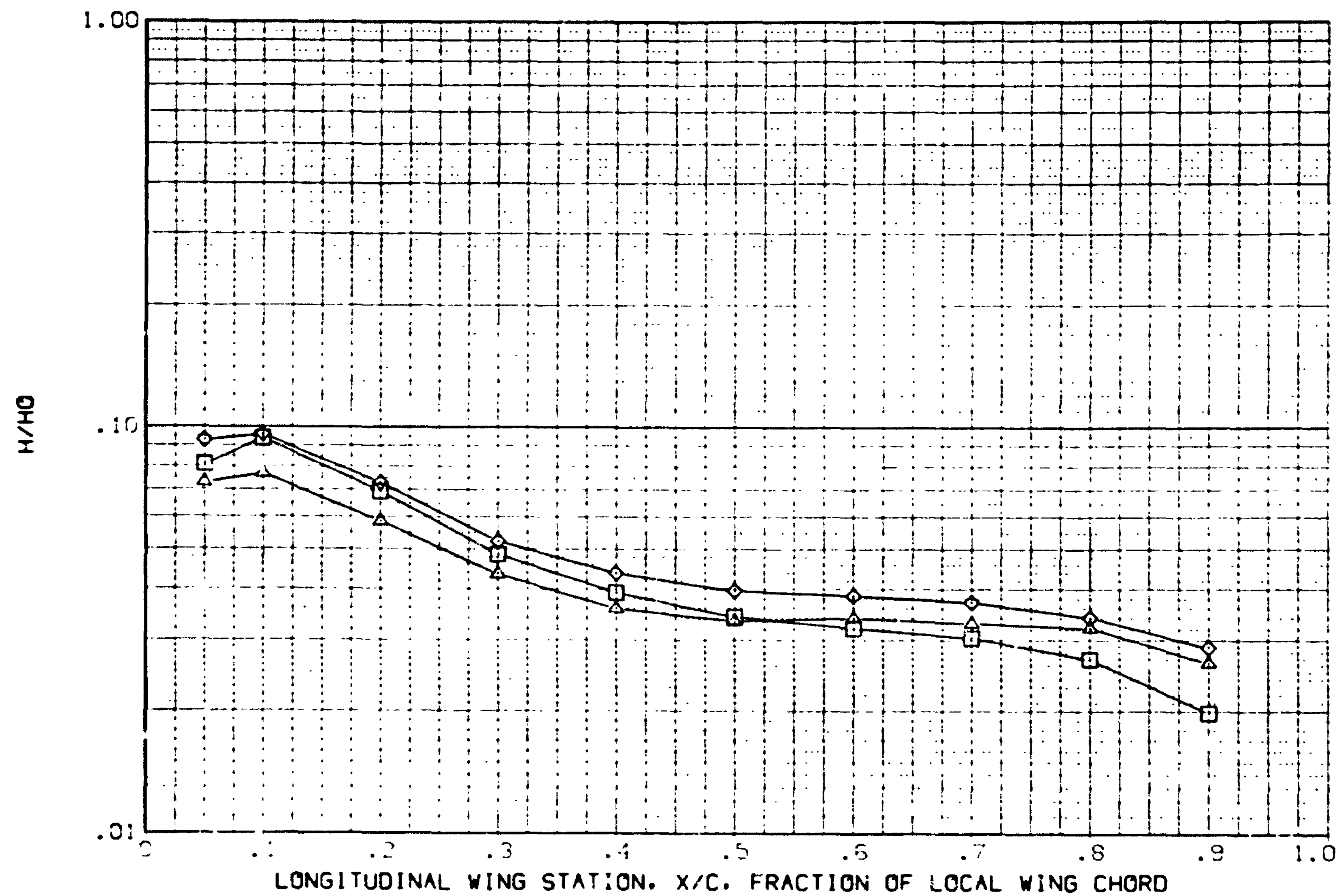


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 4.000 HAW/HT = .850 2: = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLWC2)	○	DATA NOT AVAILABLE	20.000	.000	0.000
(RGLWC3)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	3.000
(RGLWC4)	◇	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	5.000
(RGLWC5)	△	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	9.000

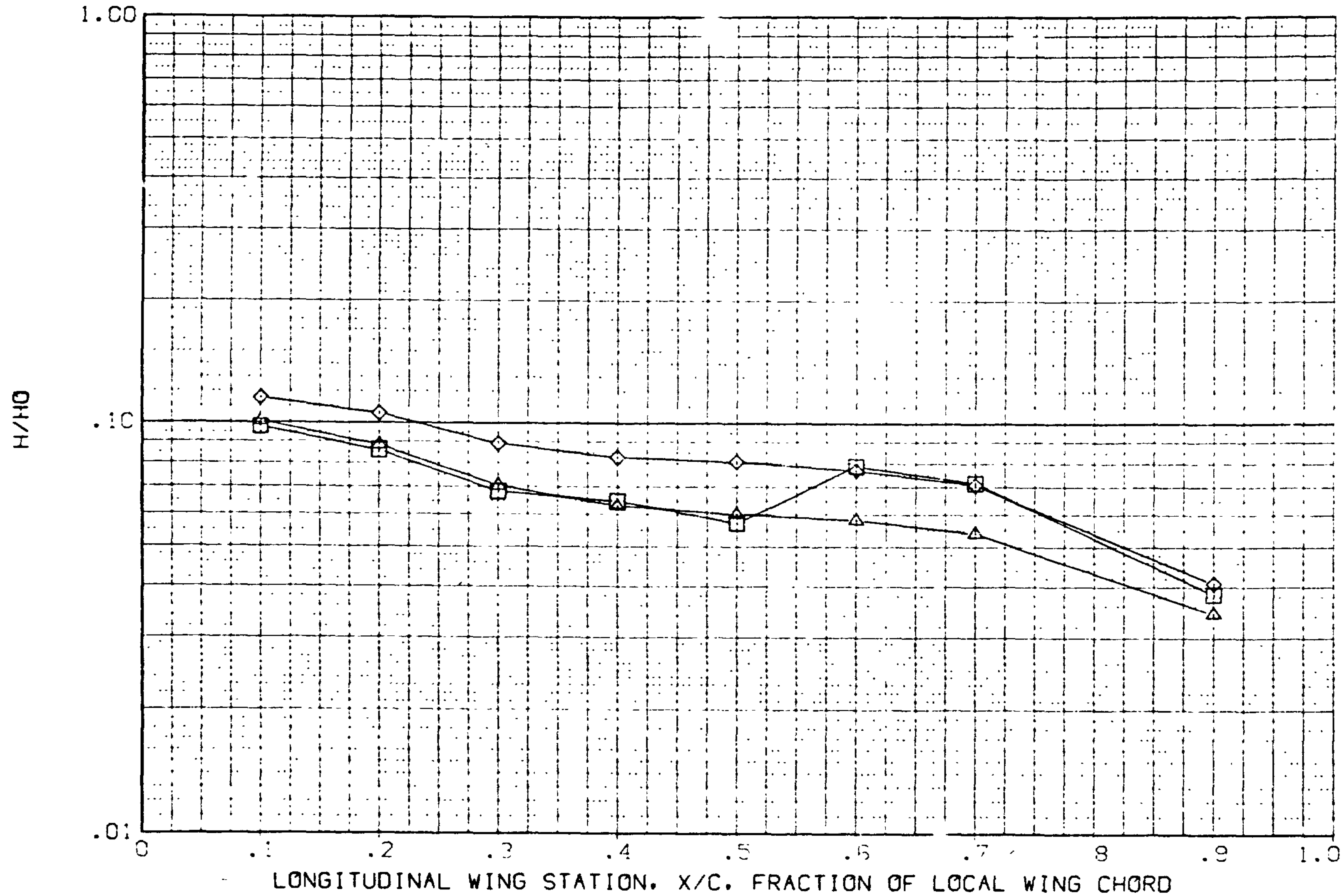


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 4.000 HAW/HT = .850 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

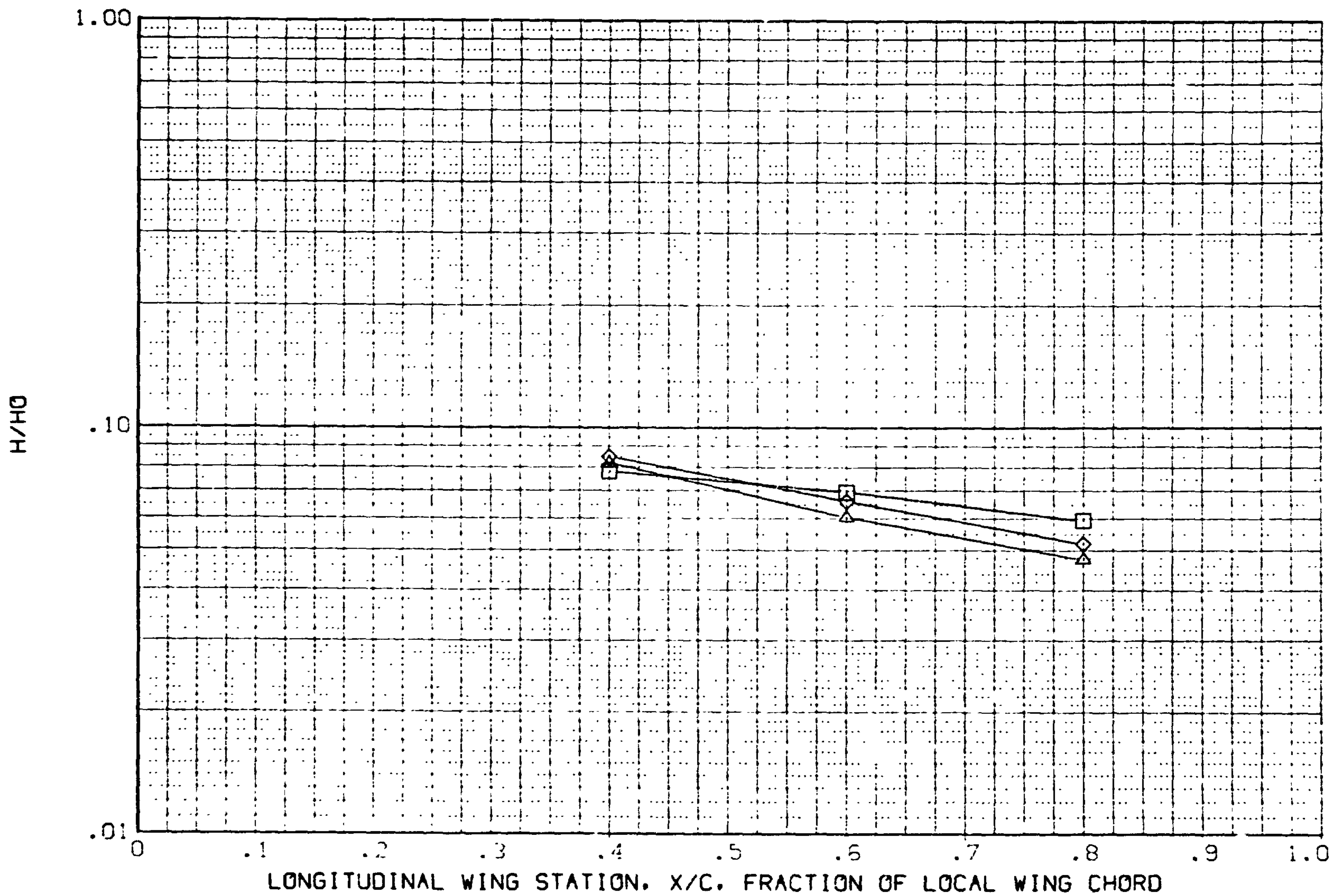


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 4.000 HAW/HT = .850 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4.7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

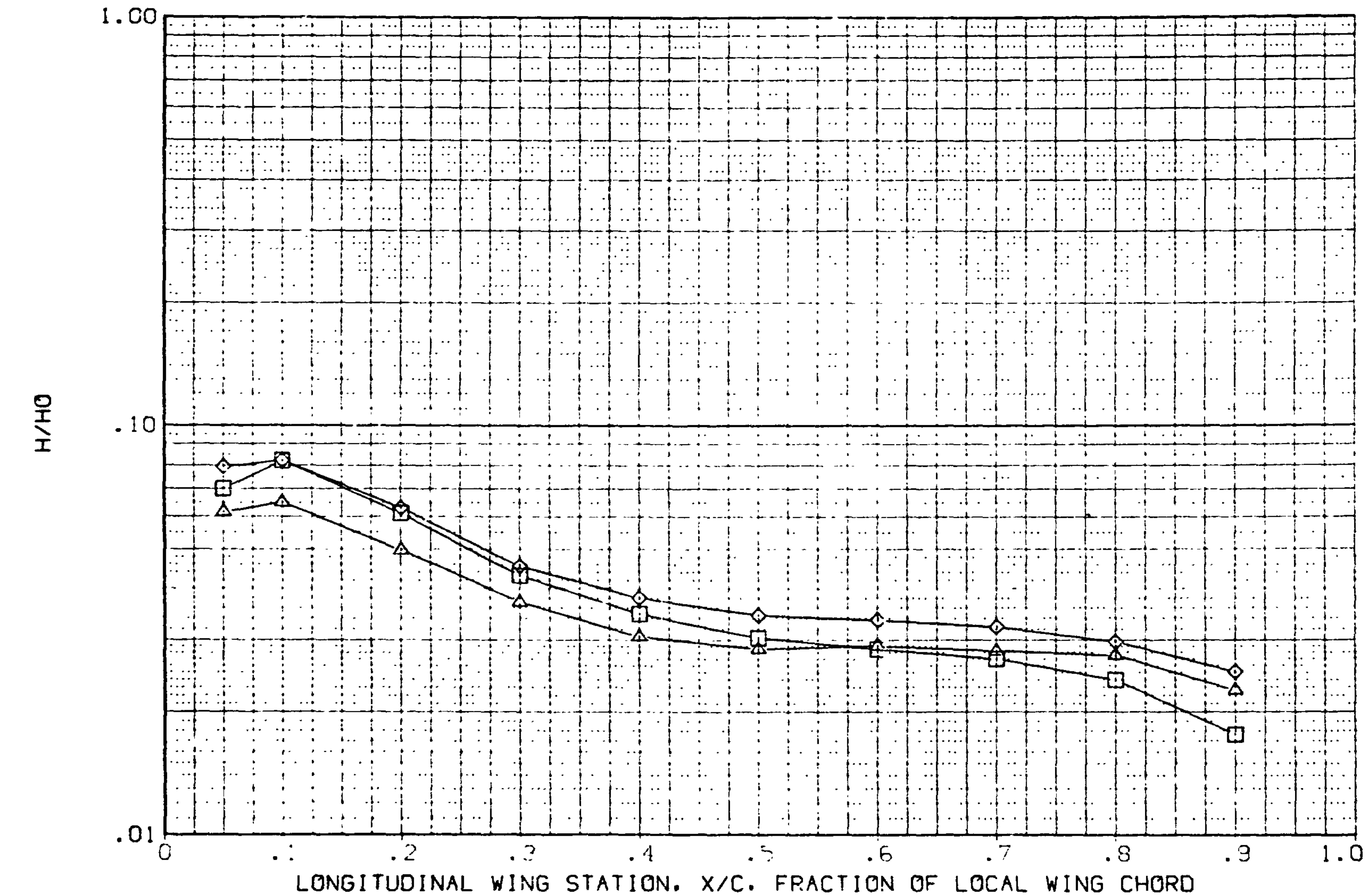


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 4.000 HAW/HT = .900 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLWC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	CH:4 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	CH:4 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	CH:4 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

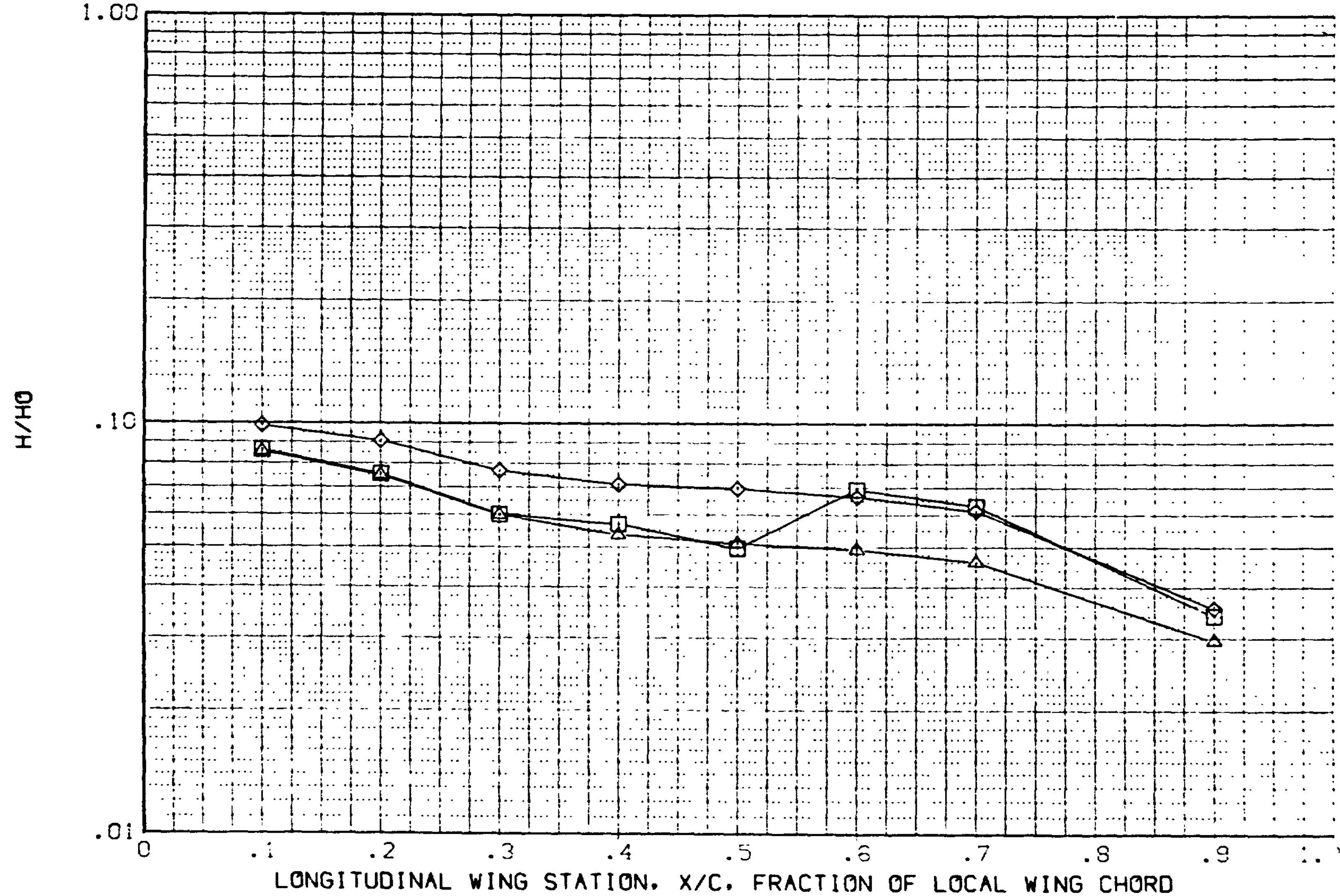


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 4.000 HAW/HT = .900 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

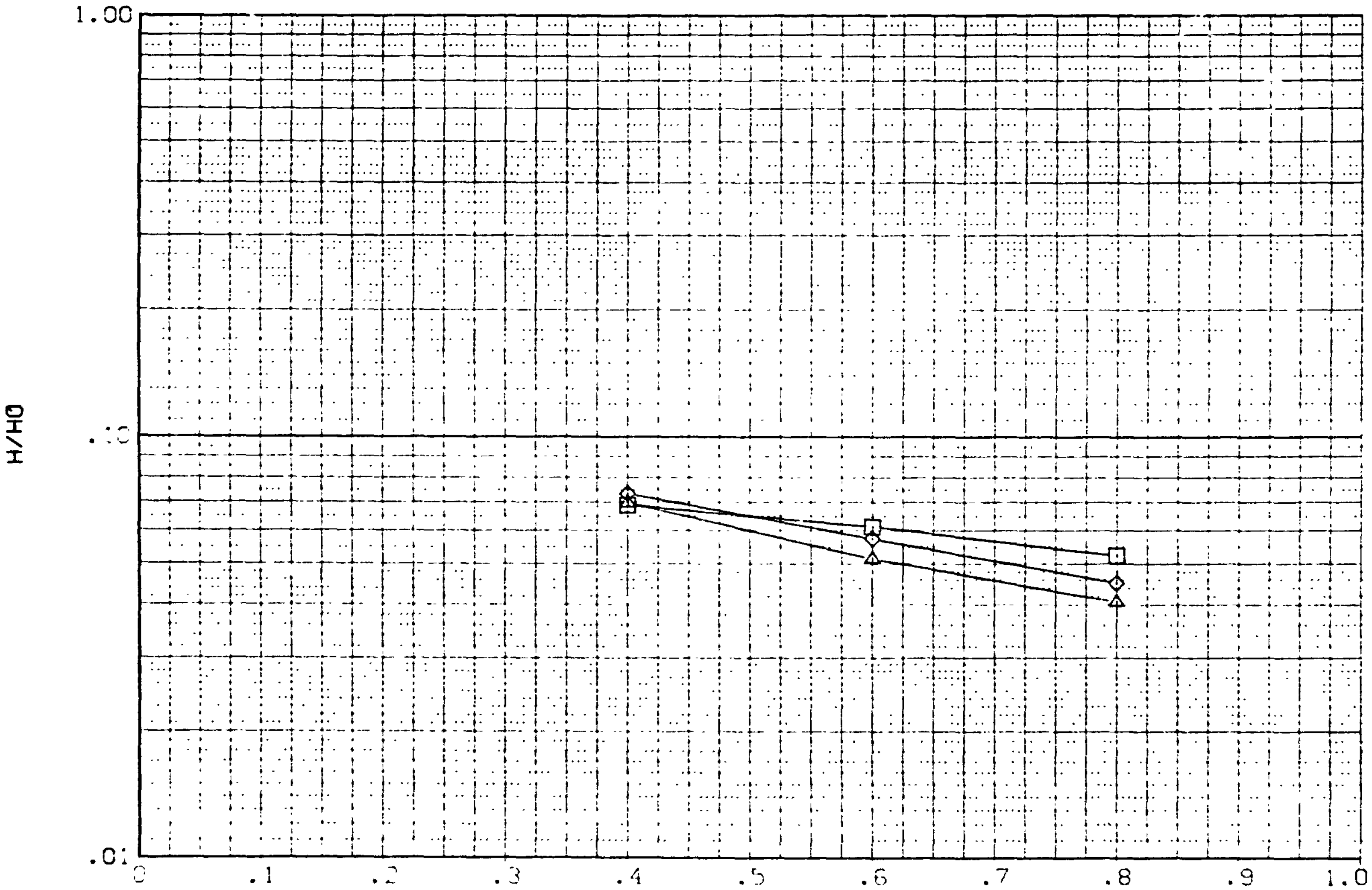


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 4.000 HAW/HT = .900 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

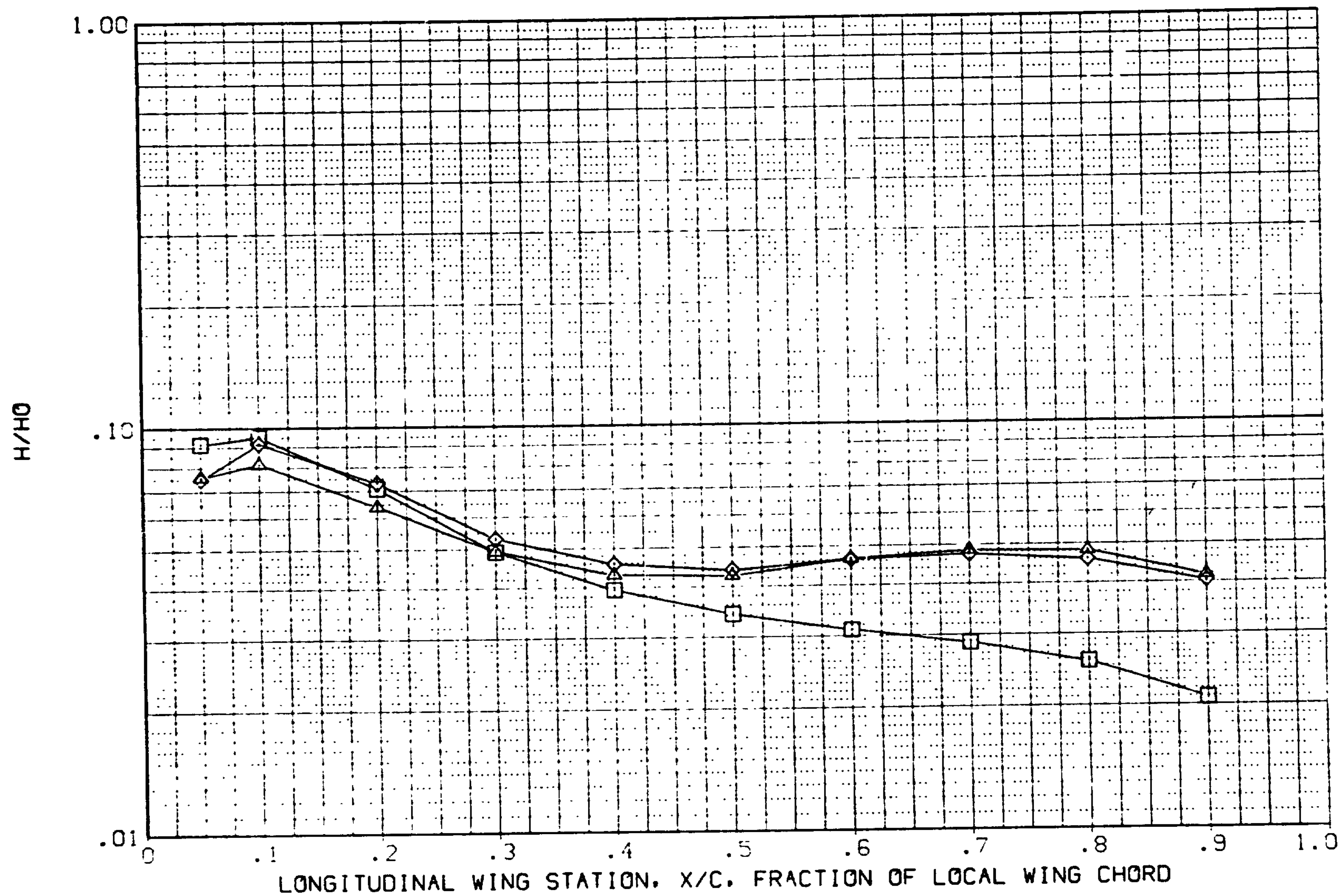


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 5.000 HAW/HT = .850 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	CHI4 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	CHI4 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	CHI4 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

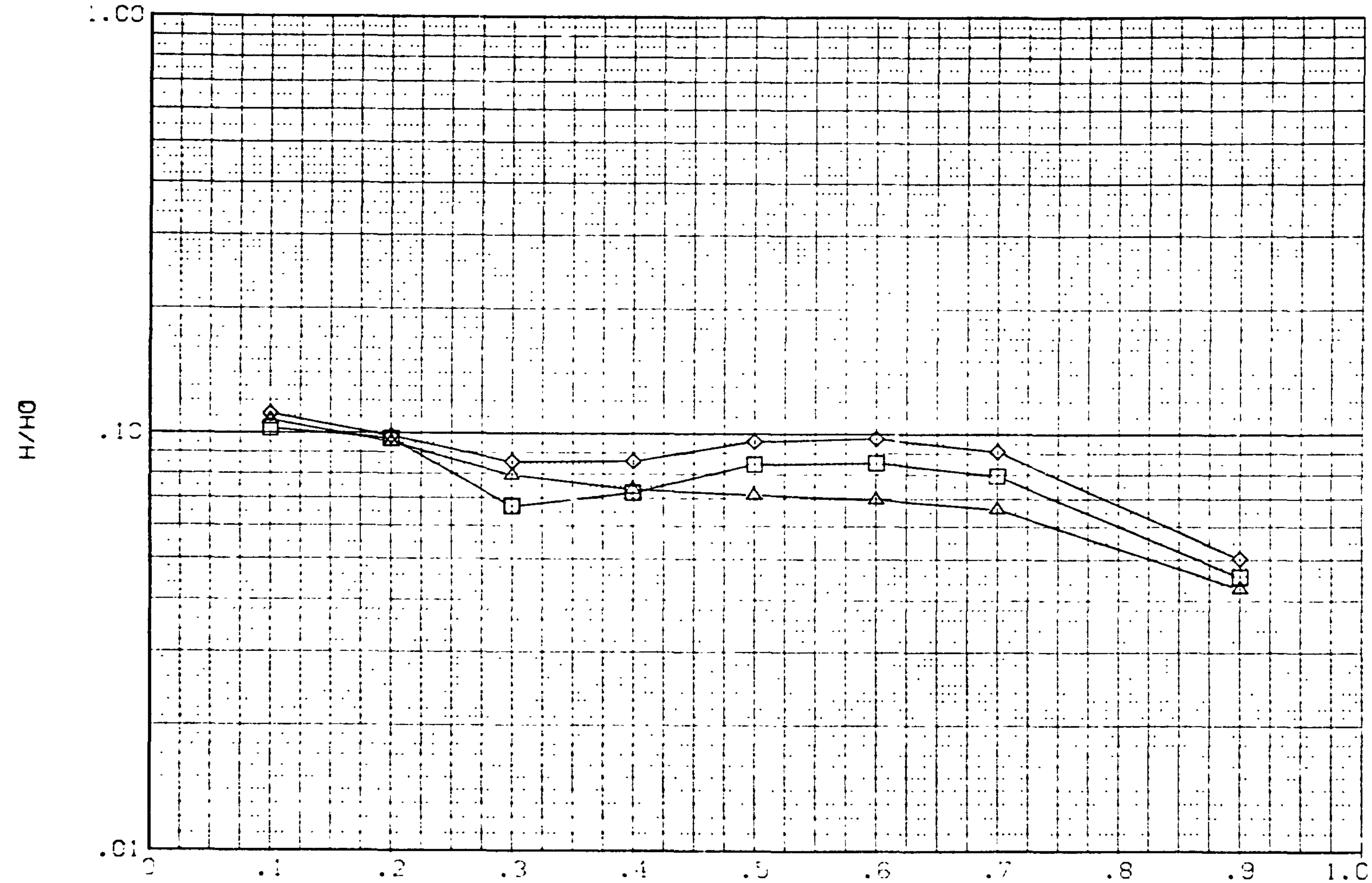


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 5.000 HAW/HT = .850 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

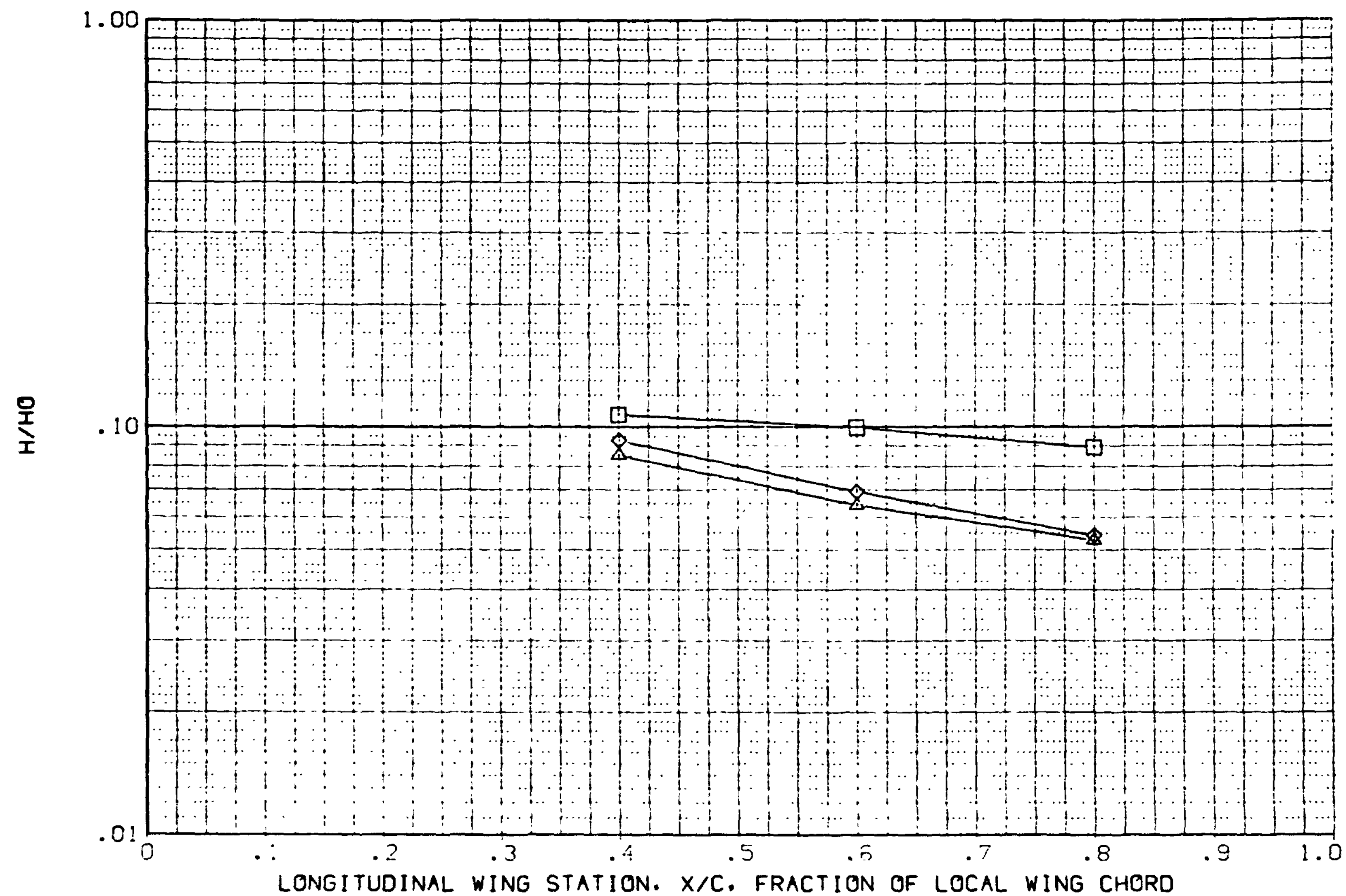


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 5.000 HAW/HT = .850 2Y/B = .800

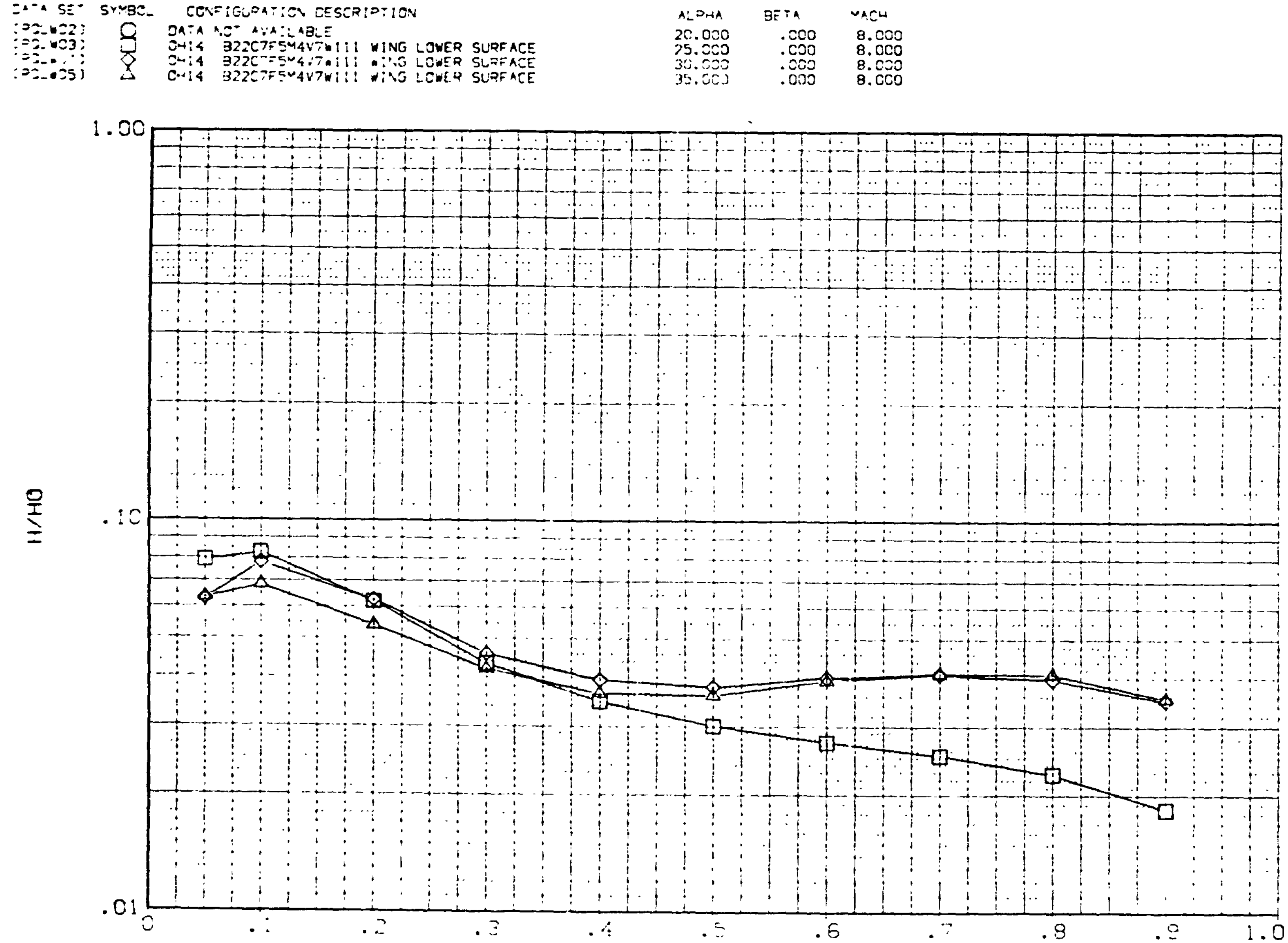
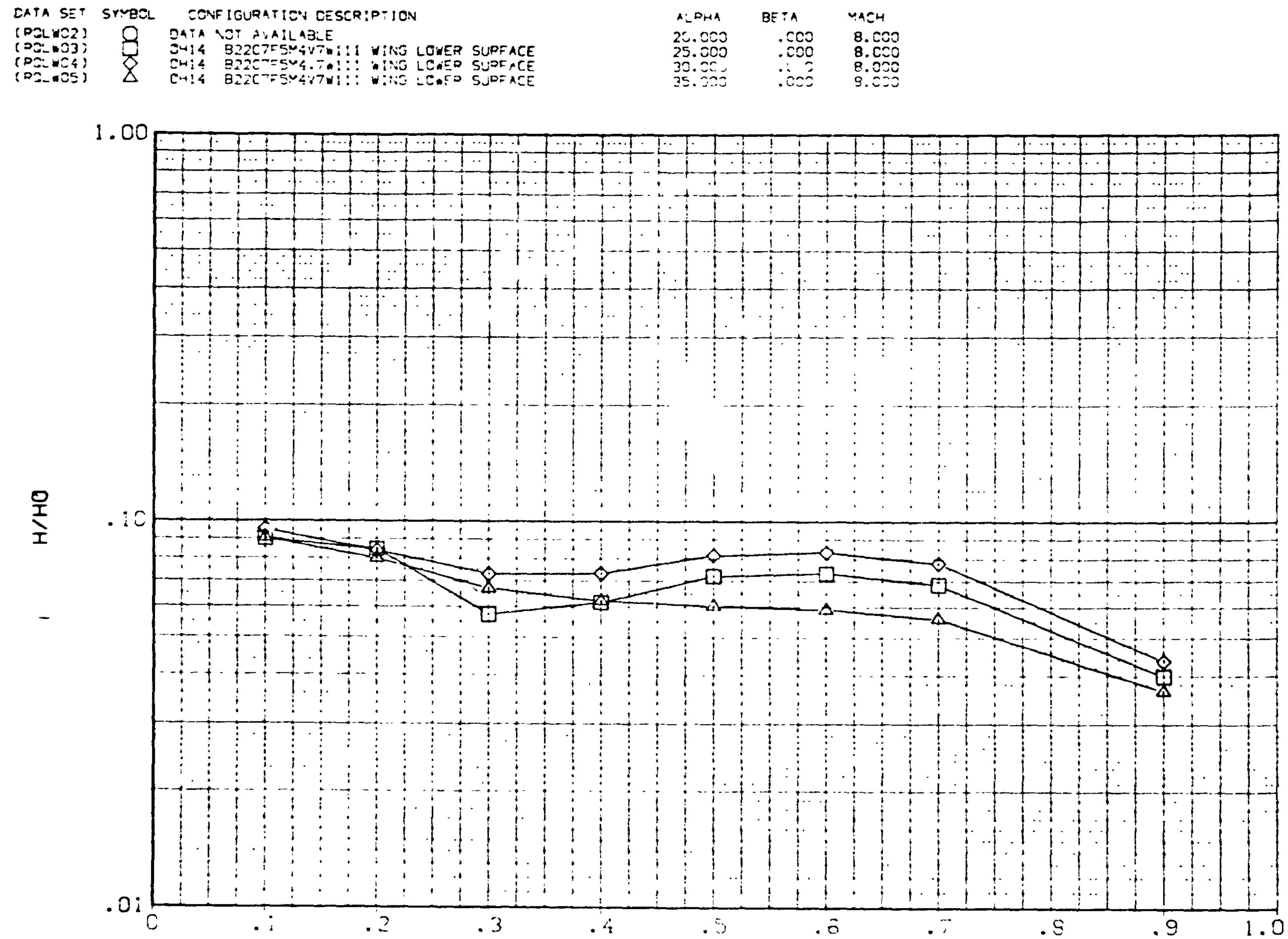


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 5.000 HAW/HT = .900 2Y/B = .400



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 5.000 HAW/HT = .900 2Y/B = .600

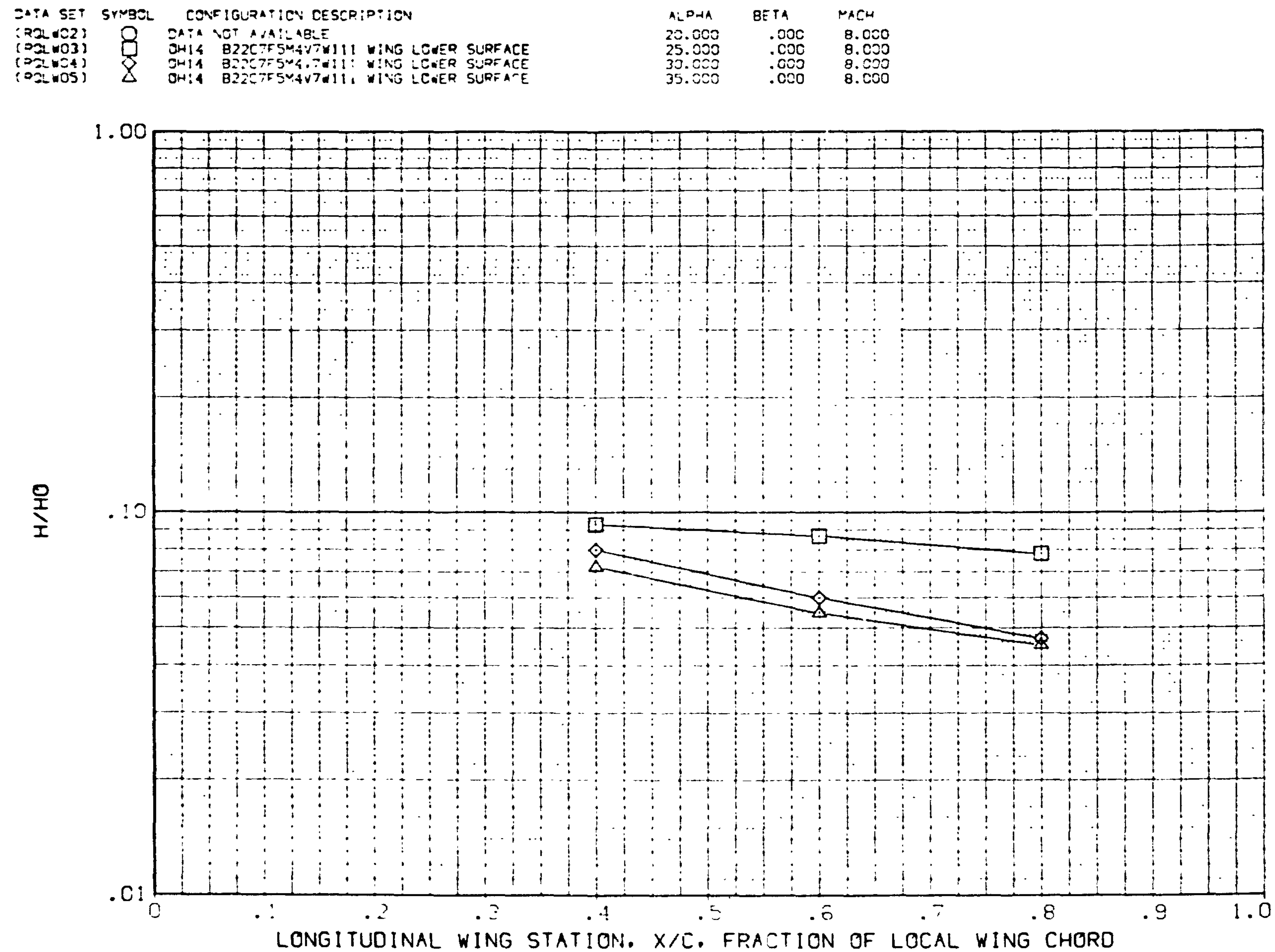


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 5.000 HAW/HT = .900 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

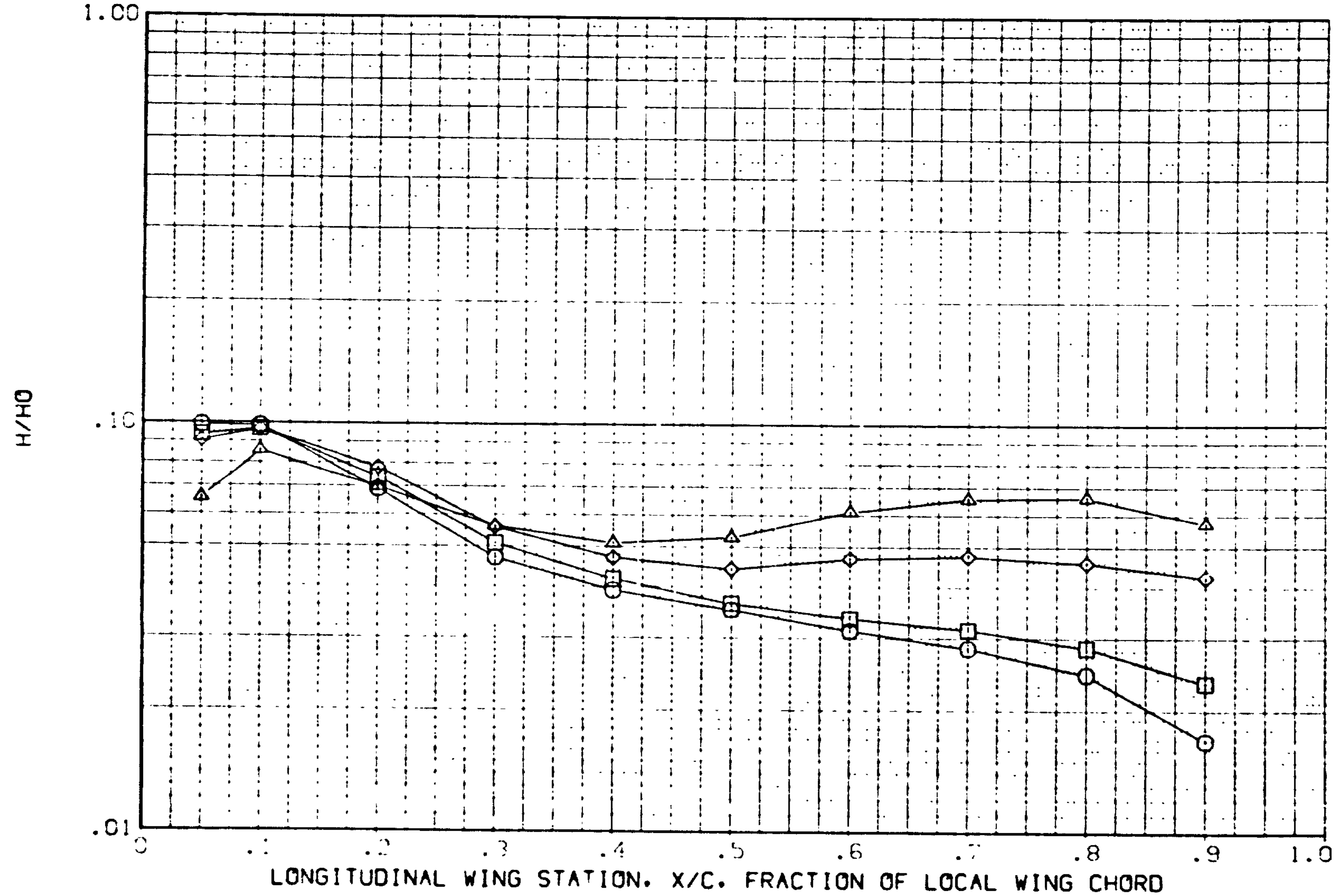
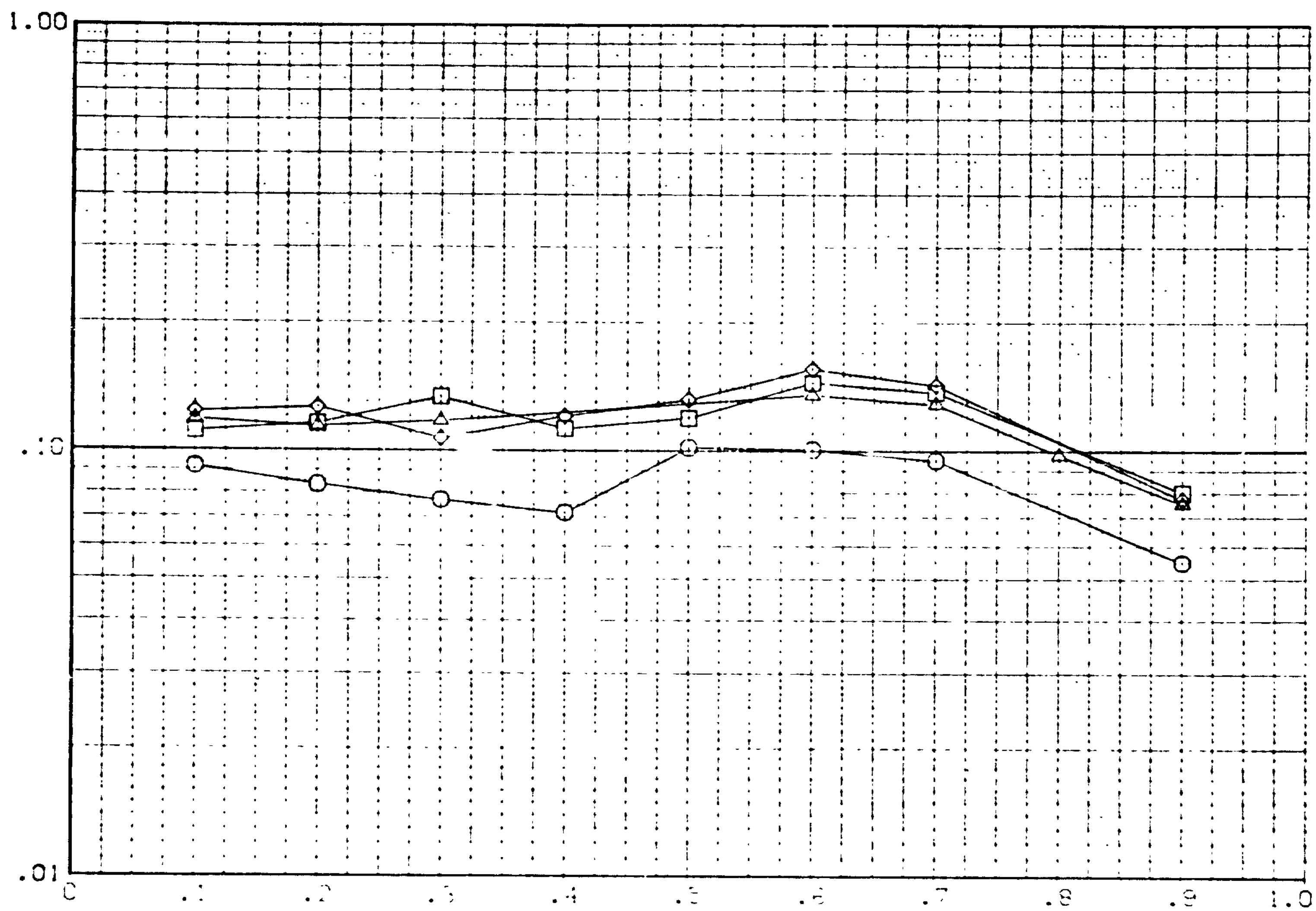


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 6.000 HAW/HT = .850 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQLW02)	○	OH14 B22C7F5M4.7W111 WING LOWER SURFACE	20.000	.000	8.000
(PQLW03)	□	OH14 B22C7F5M4.7W111 WING LOWER SURFACE	25.000	.000	8.000
(PQLW04)	◇	OH14 B22C7F5M4.7W111 WING LOWER SURFACE	30.000	.000	8.000
(PQLW05)	△	OH14 B22C7F5M4.7W111 WING LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 6.000 HAX/HT = .850 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B2207F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B2207F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B2207F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B2207F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

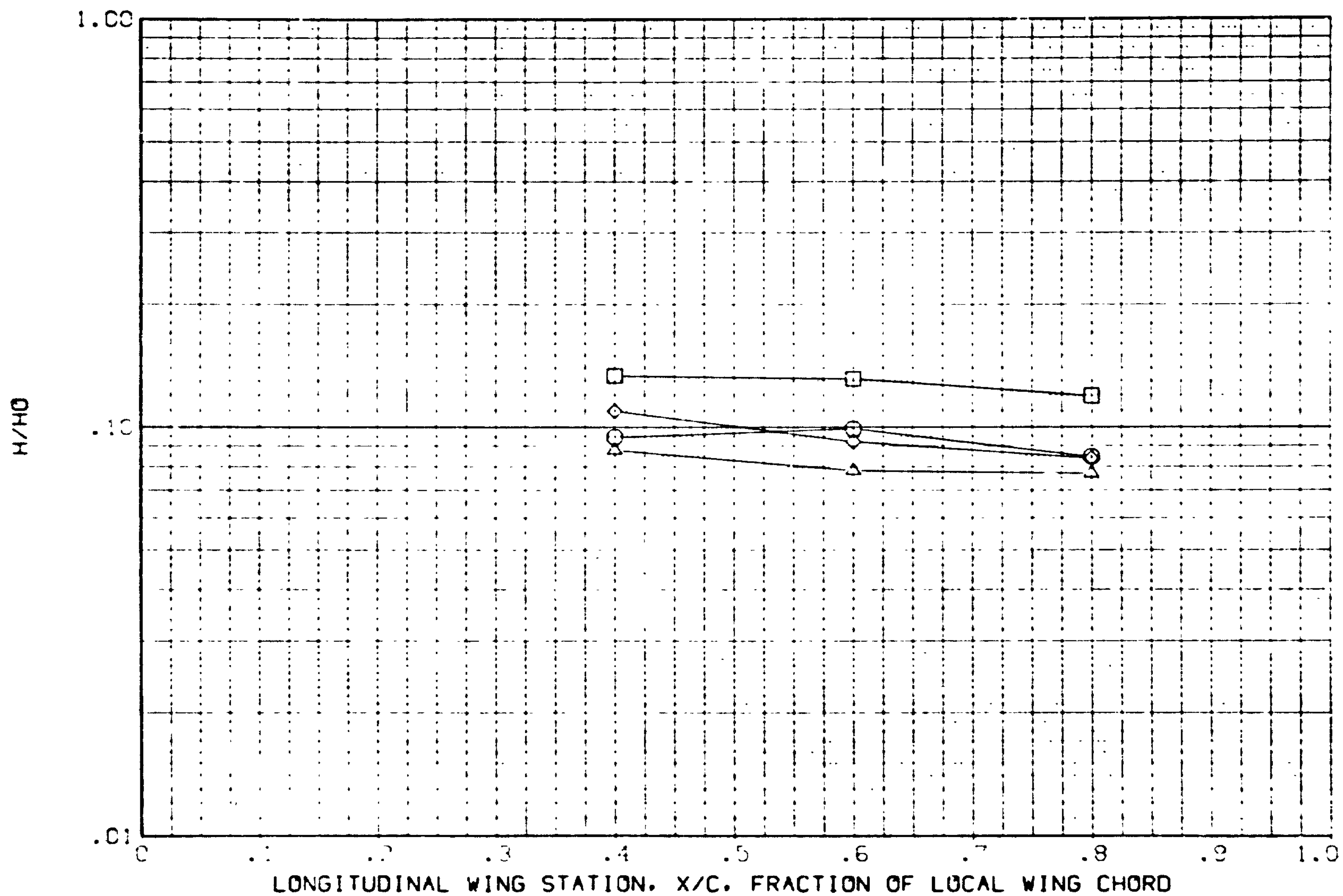


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 6.000 HAW/HT = .800 ... = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22CTF5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22CTF5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22CTF5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22CTF5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

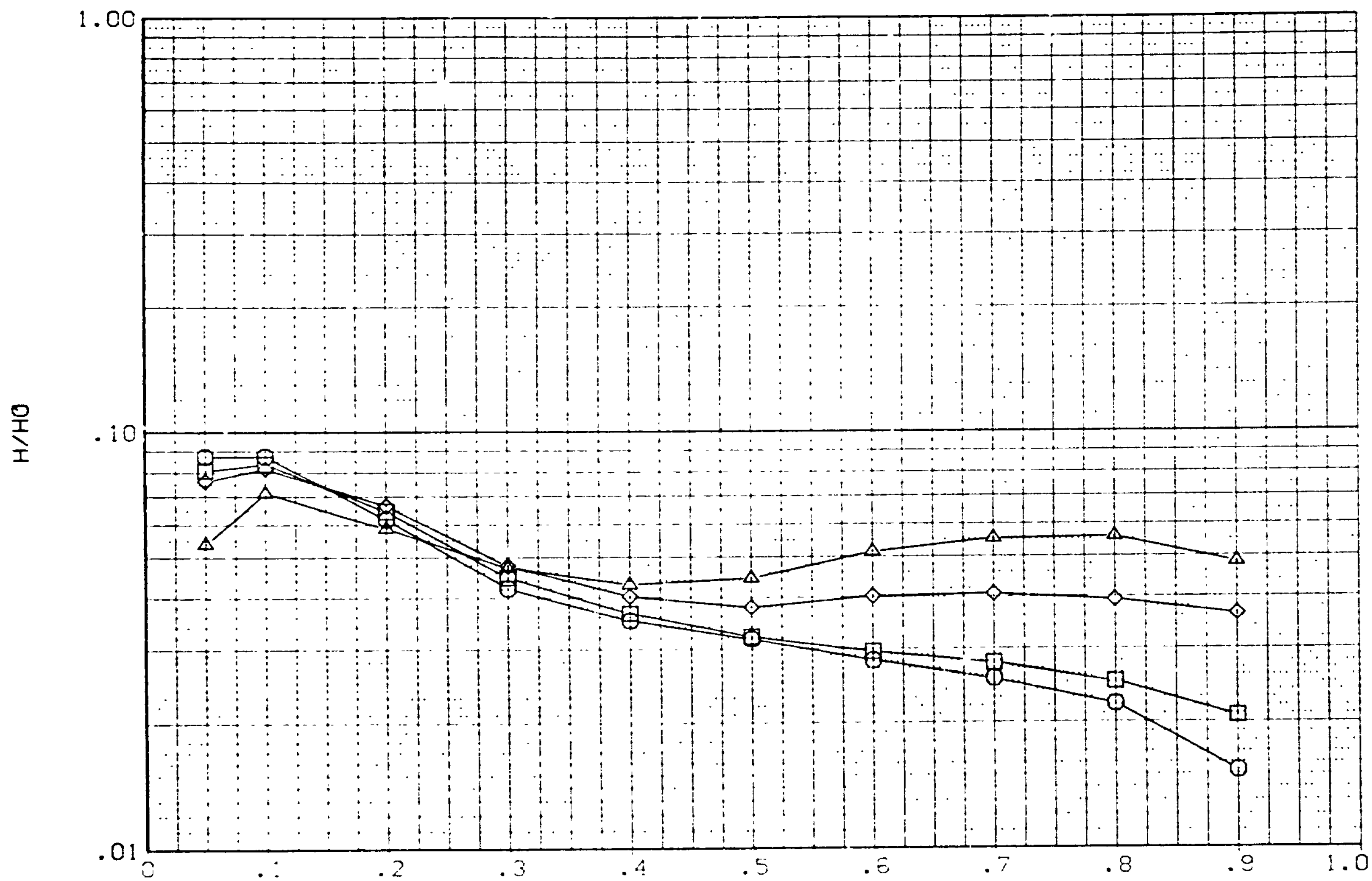


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 6.000 HAW/HT = .900 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

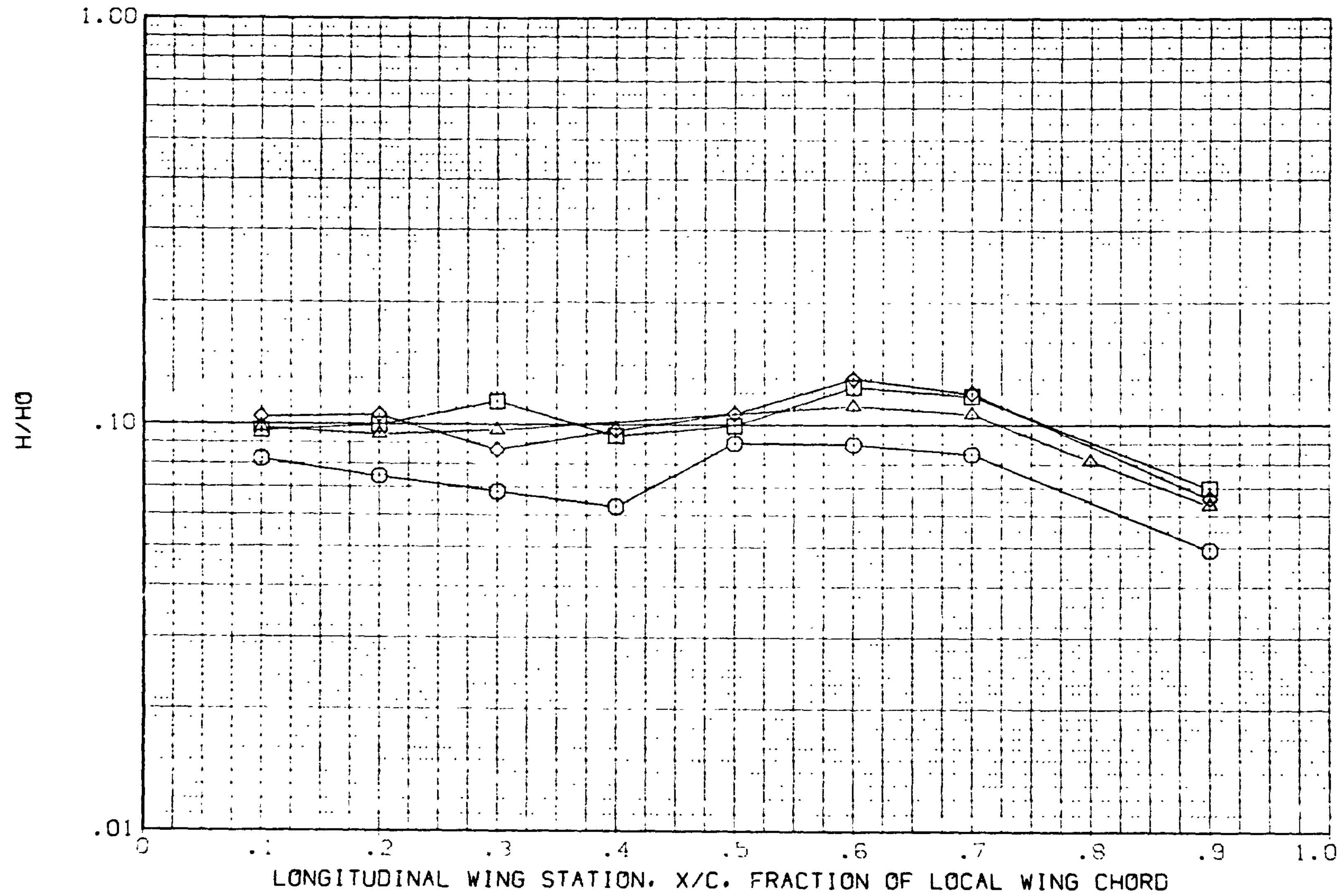


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 6.000 HAW/HT = .900 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

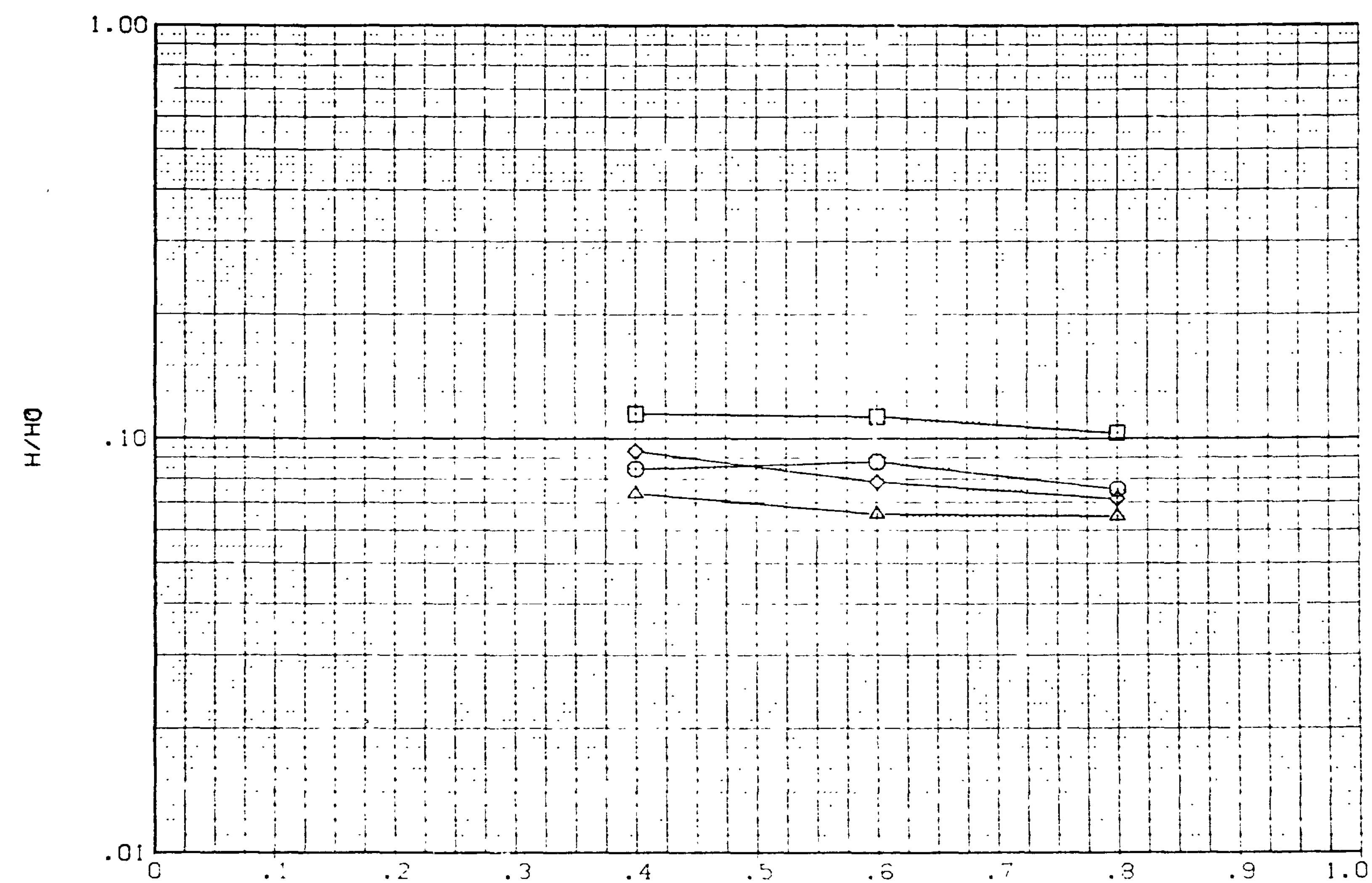


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 6.000 HAW/HT = .900 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

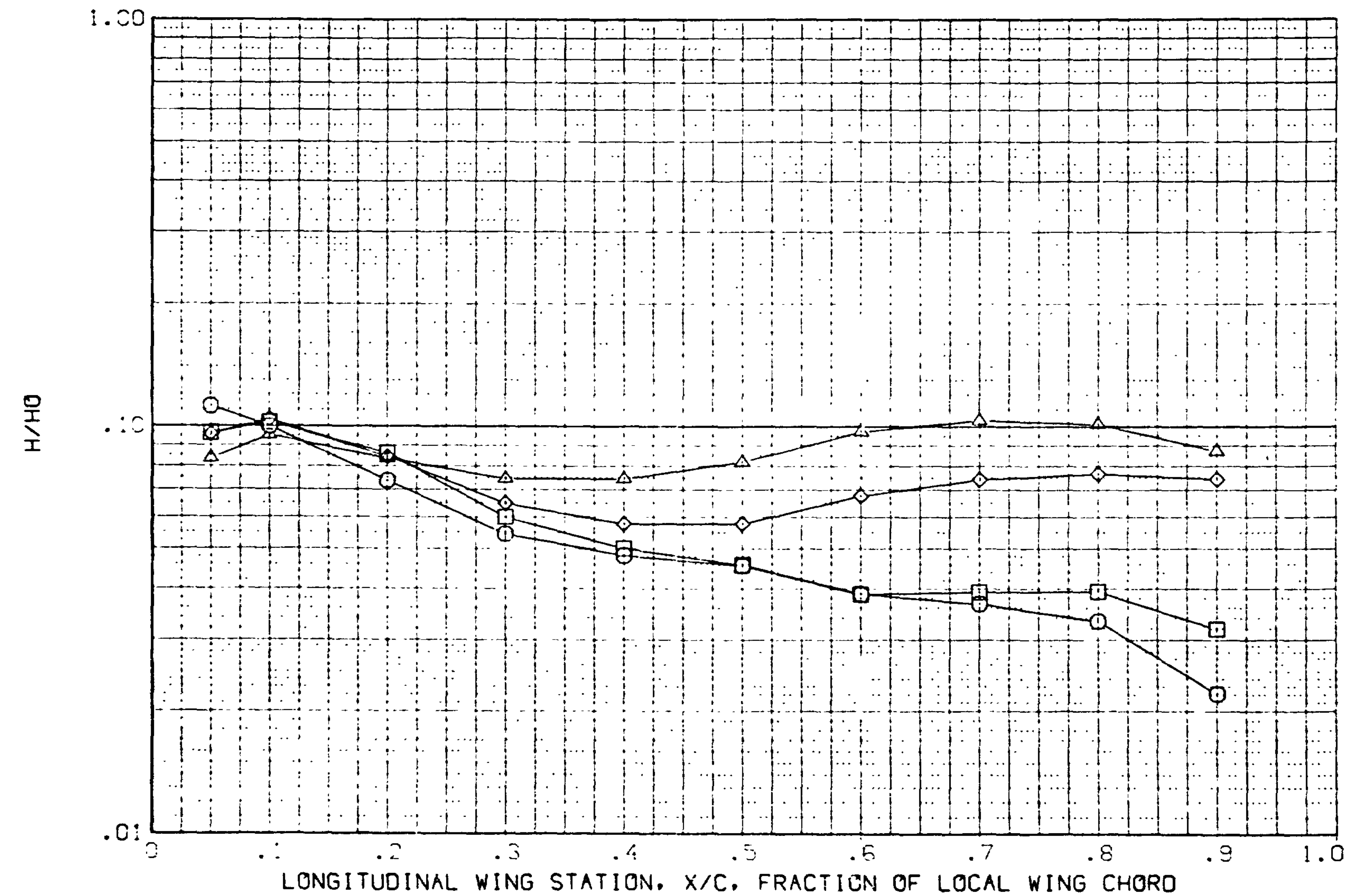


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 8.000 HAW/HT = .850 2Y/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B??C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B_2C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

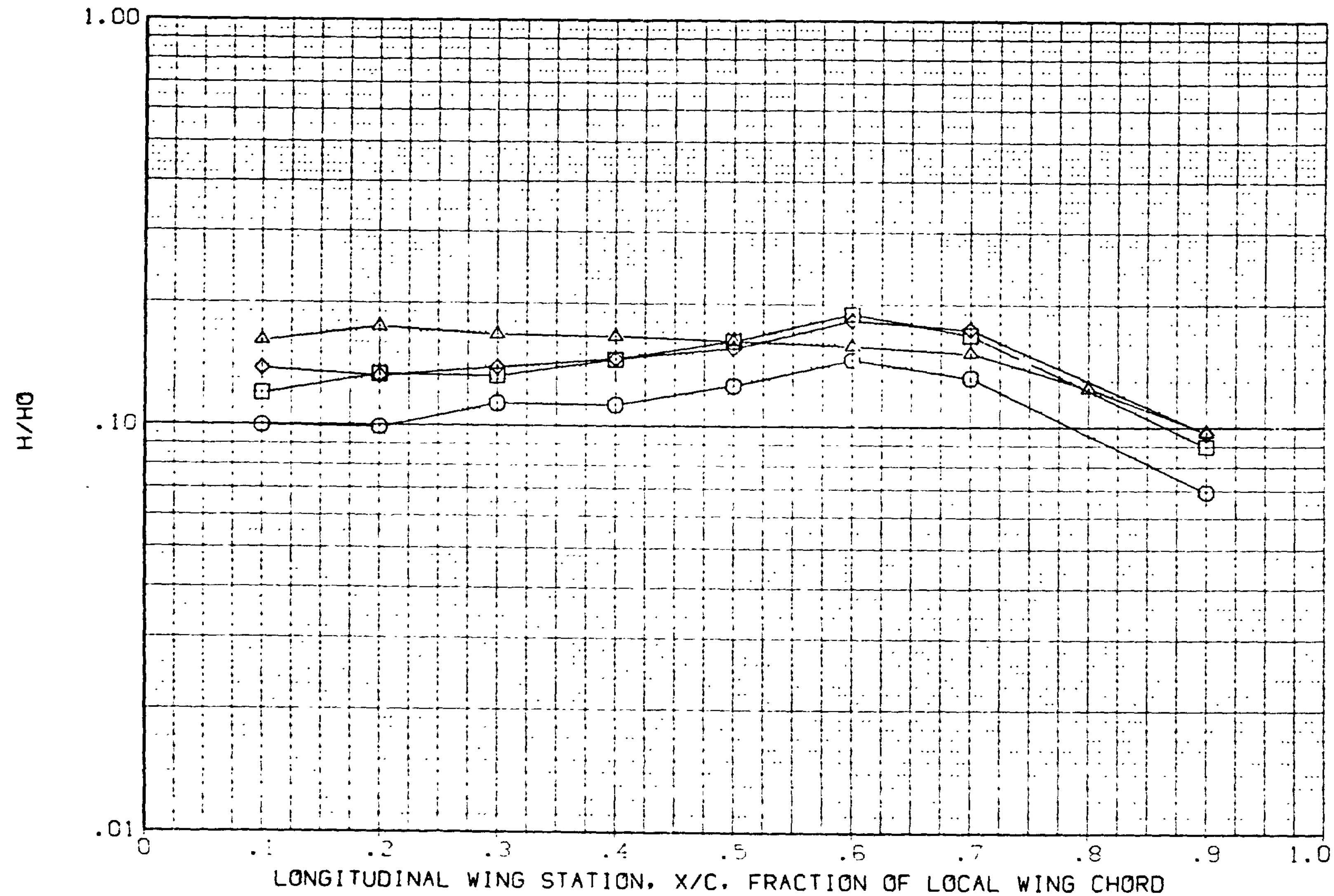


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

PN/L = 8.000 HAW/HT = .850 ?/.8 = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQL=02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQL=03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(PQL=04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(PQL=05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

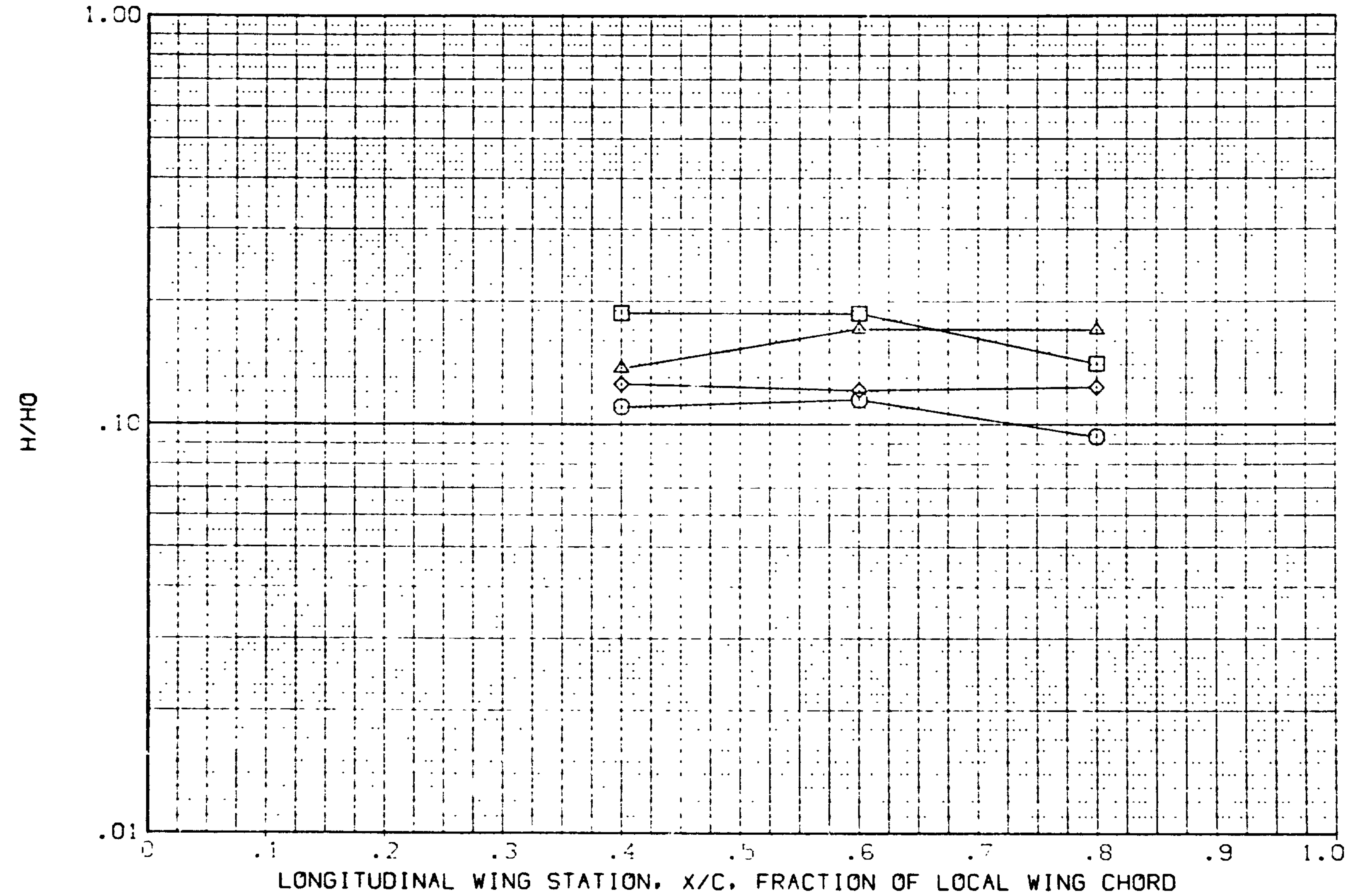


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 8.000 HAW/HT = .850 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

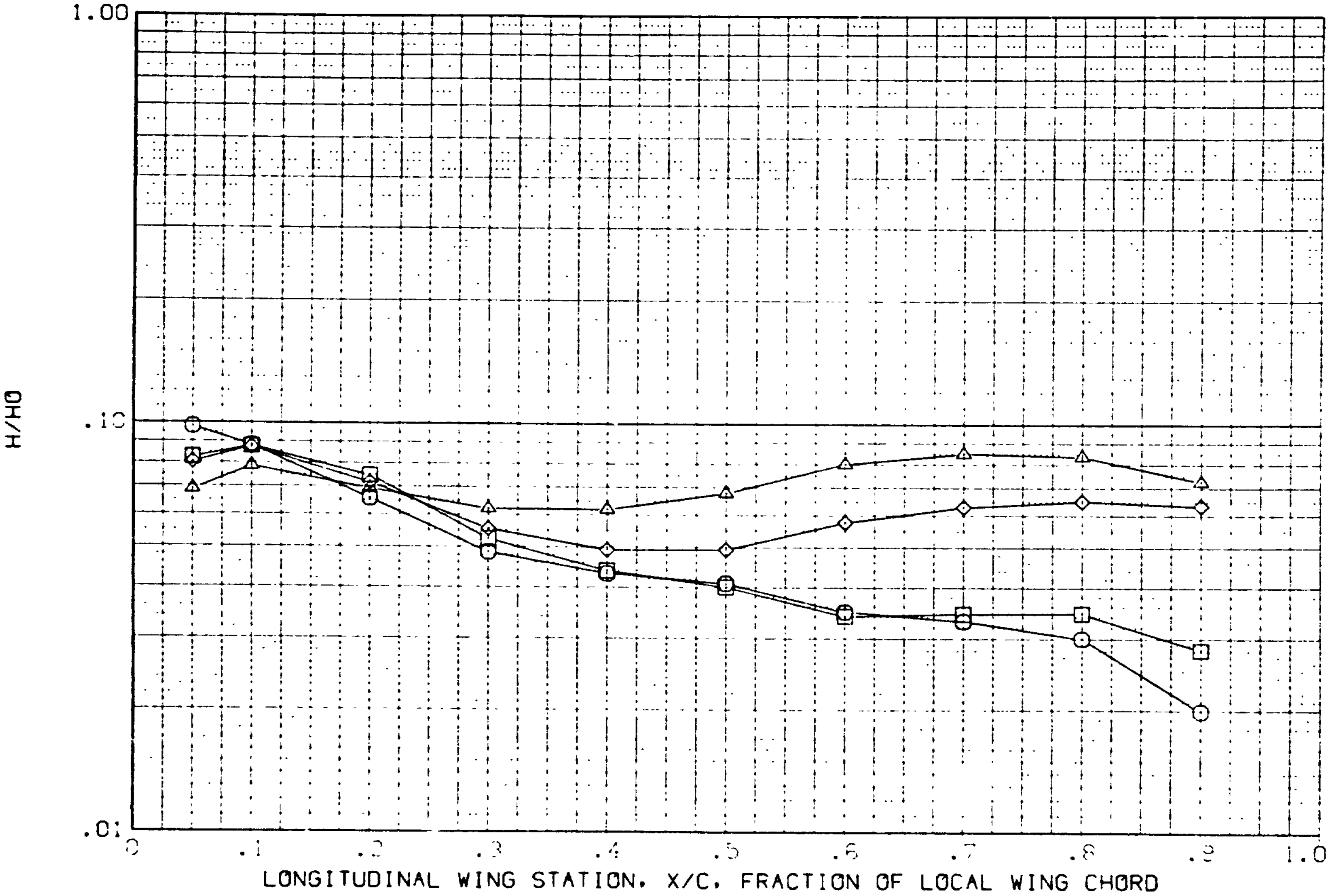


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 8.000 HAW/-T = .900 2·/B = .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PGLW02)	○	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(PGLW03)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(PGLW04)	◇	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(PGLW05)	△	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

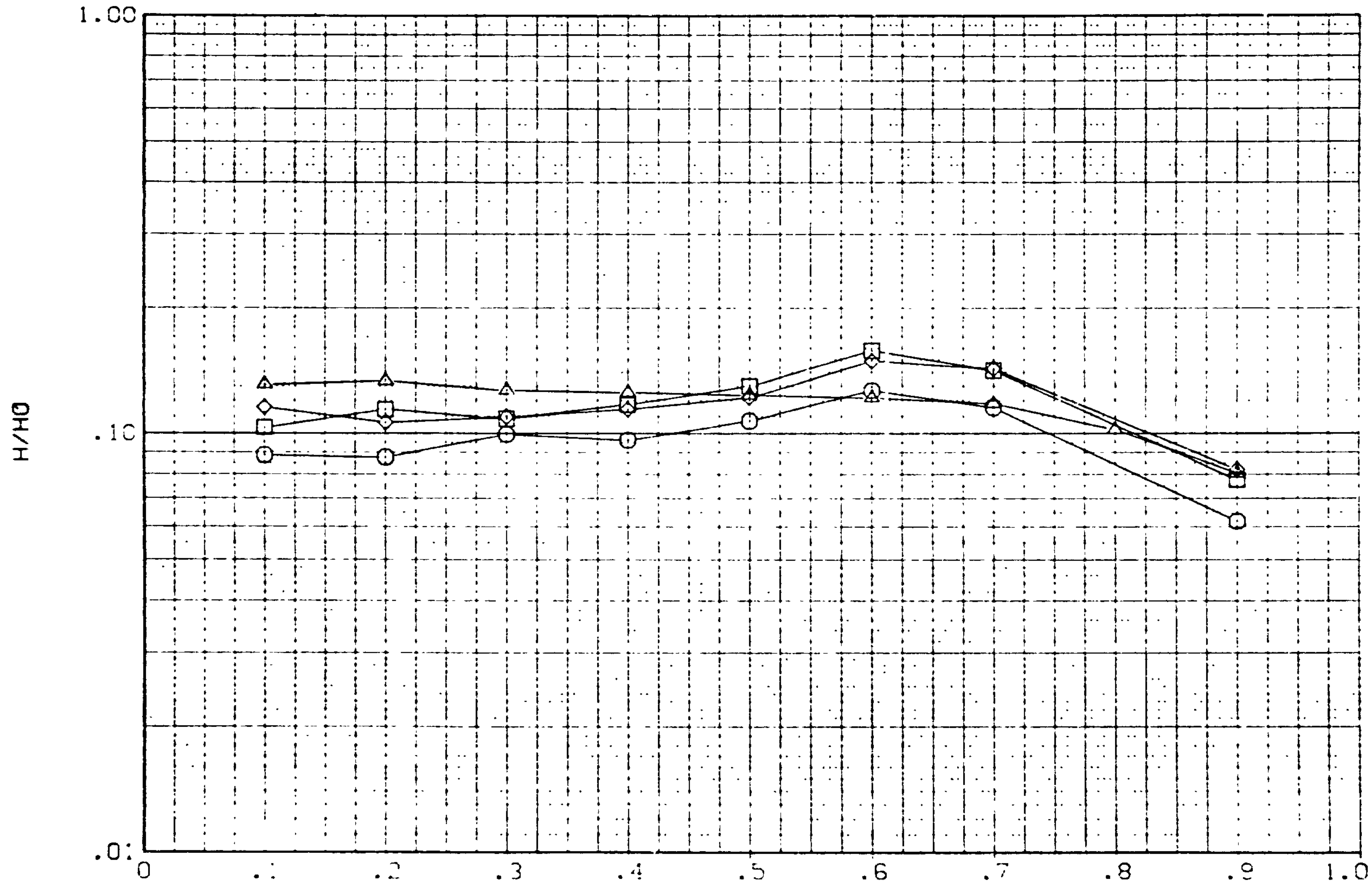


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 8.000 HAW/HT = .900 2Y/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	20.000	.000	8.000
(RQLW03)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

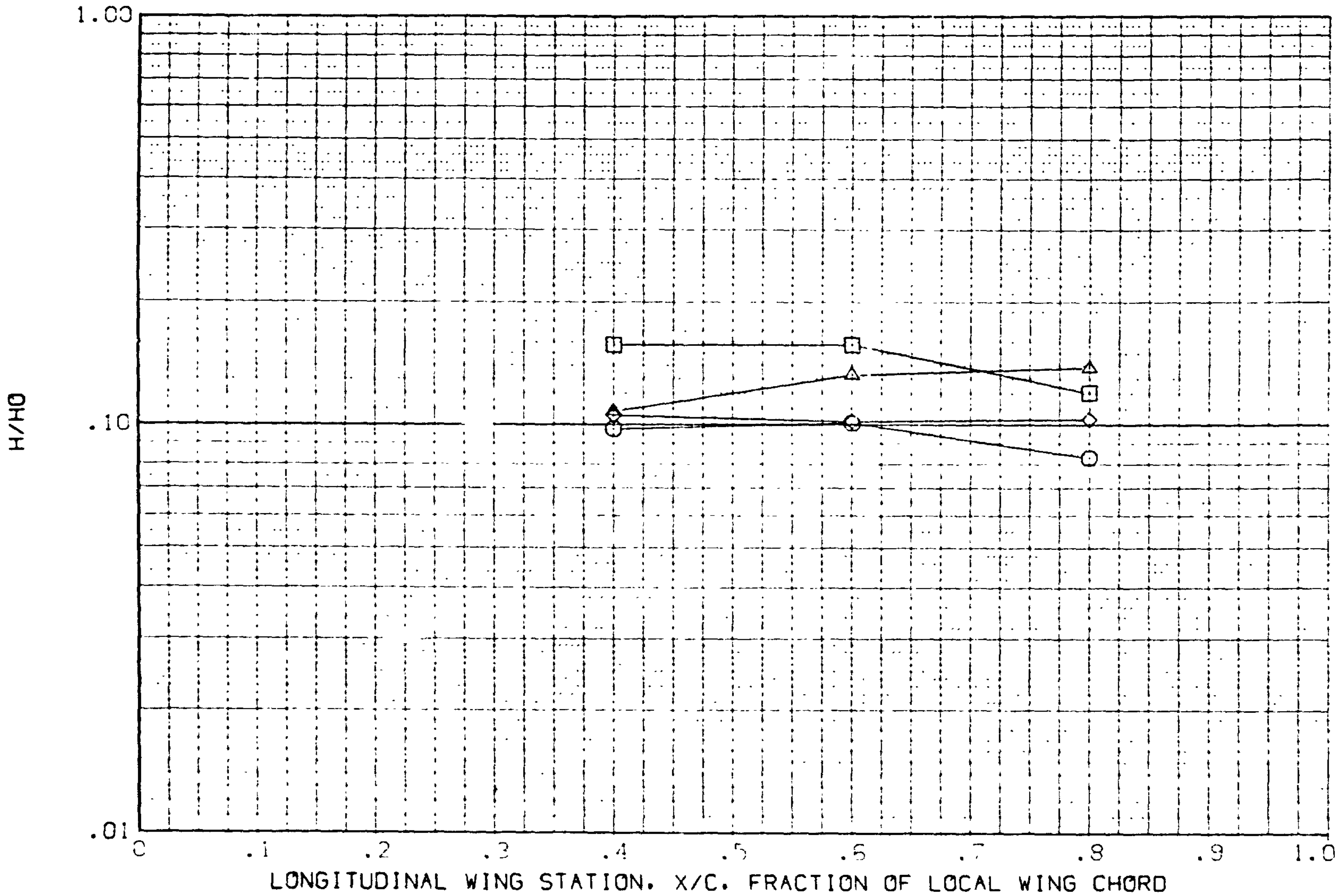


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 8.000 HAW/HT = .900 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLWC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLWO3)	□	CH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLWC4)	◇	CH14 B22C7F5M4.7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLWO5)	△	CH14 B22C7F5M4.7W111 WING LOWER SURFACE	35.000	.000	8.000

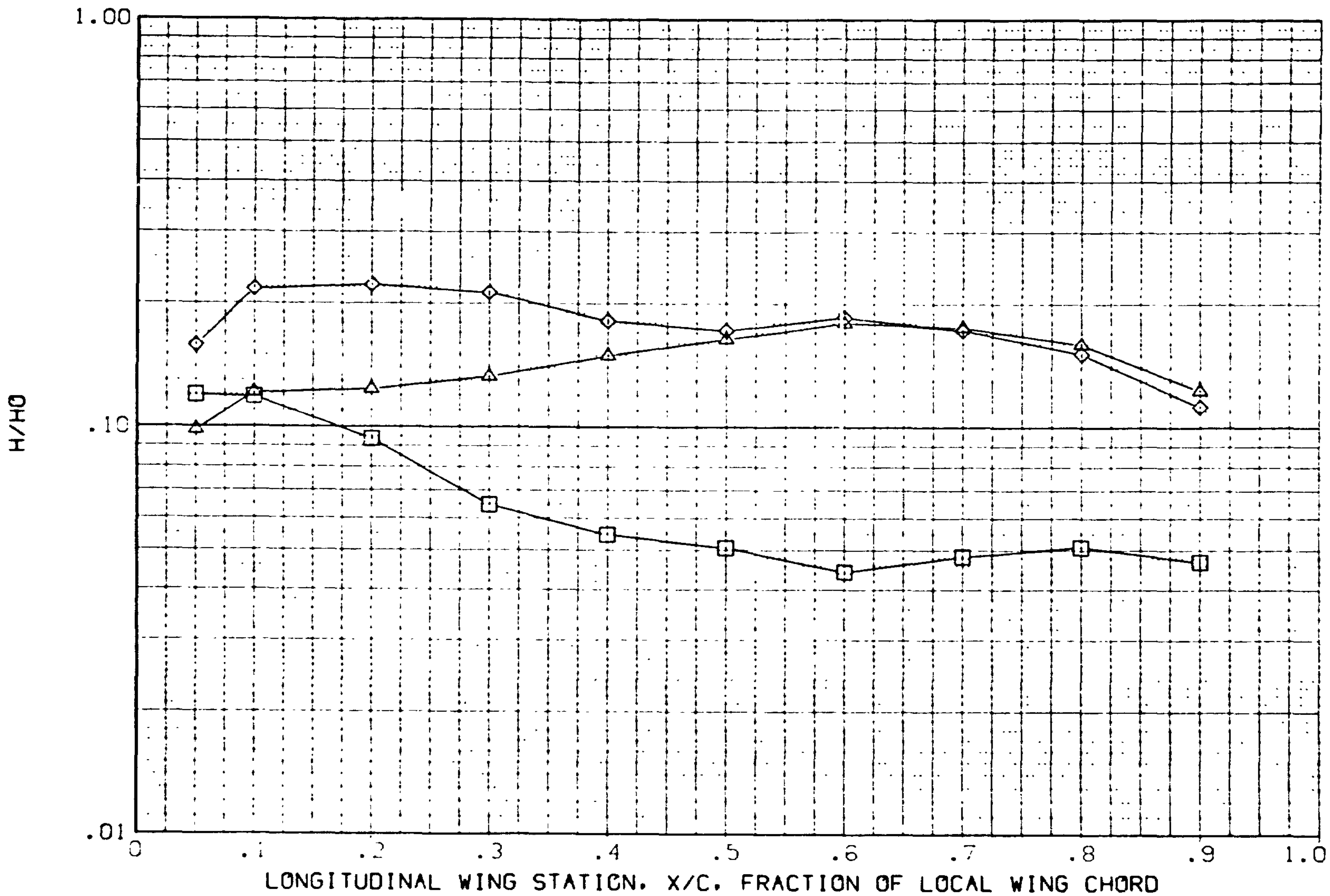


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 10.000 HAW ... .850 ... = .400

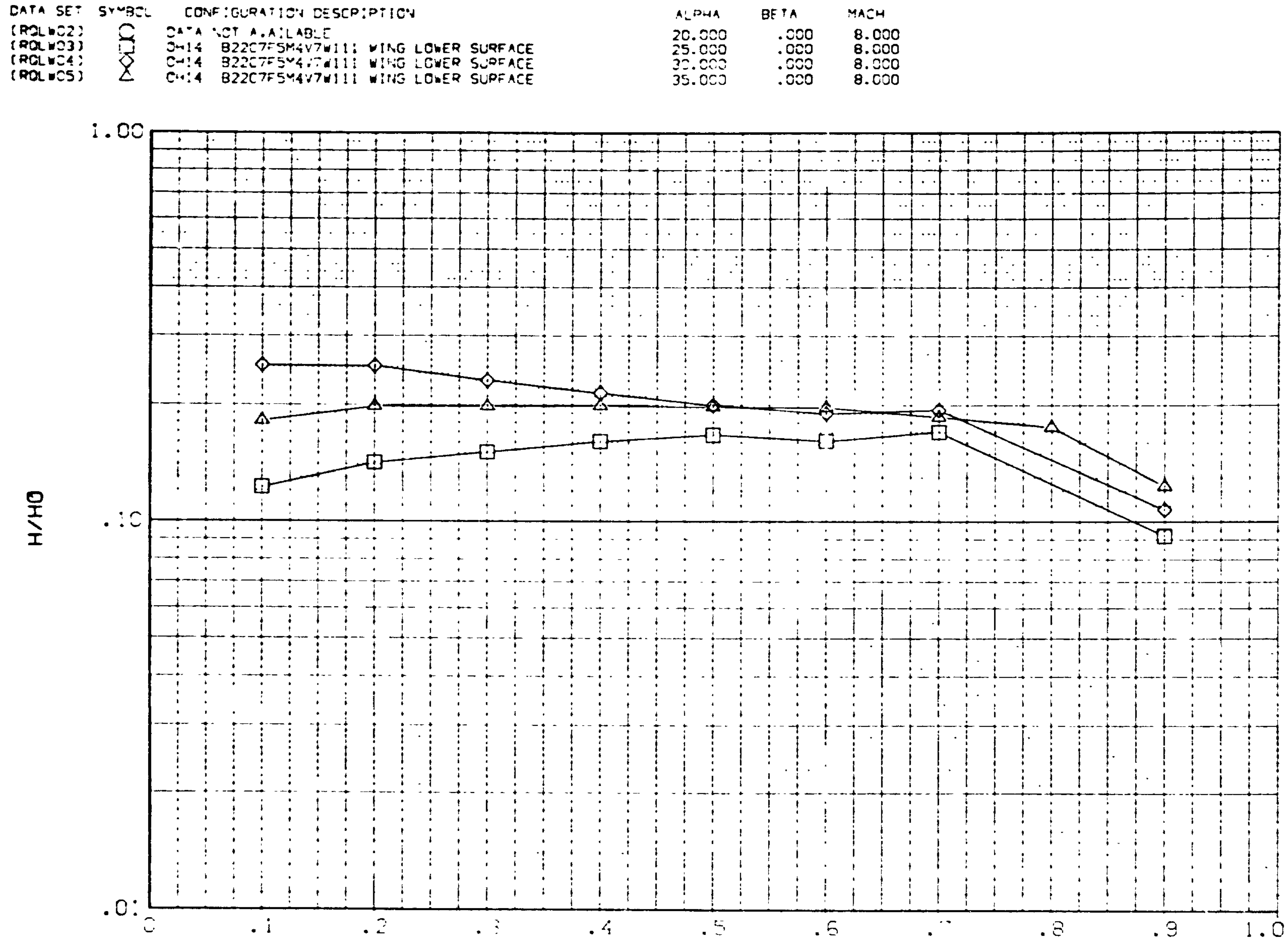


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 10.000 HAW/HT = .850 P/B = .600

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLW02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLW03)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLW04)	◇	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLW05)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

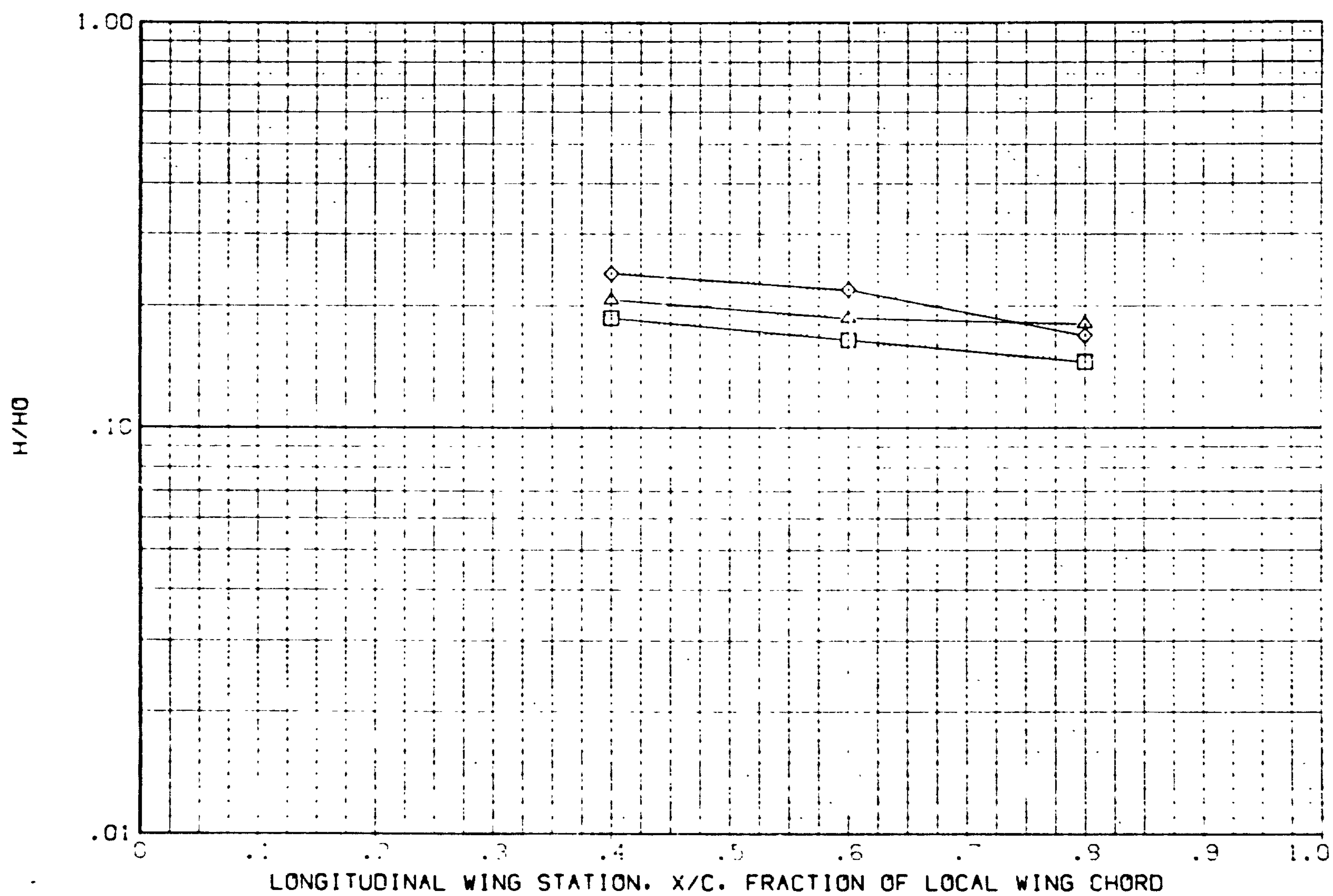


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 10.000 HAW/HT .850 .800

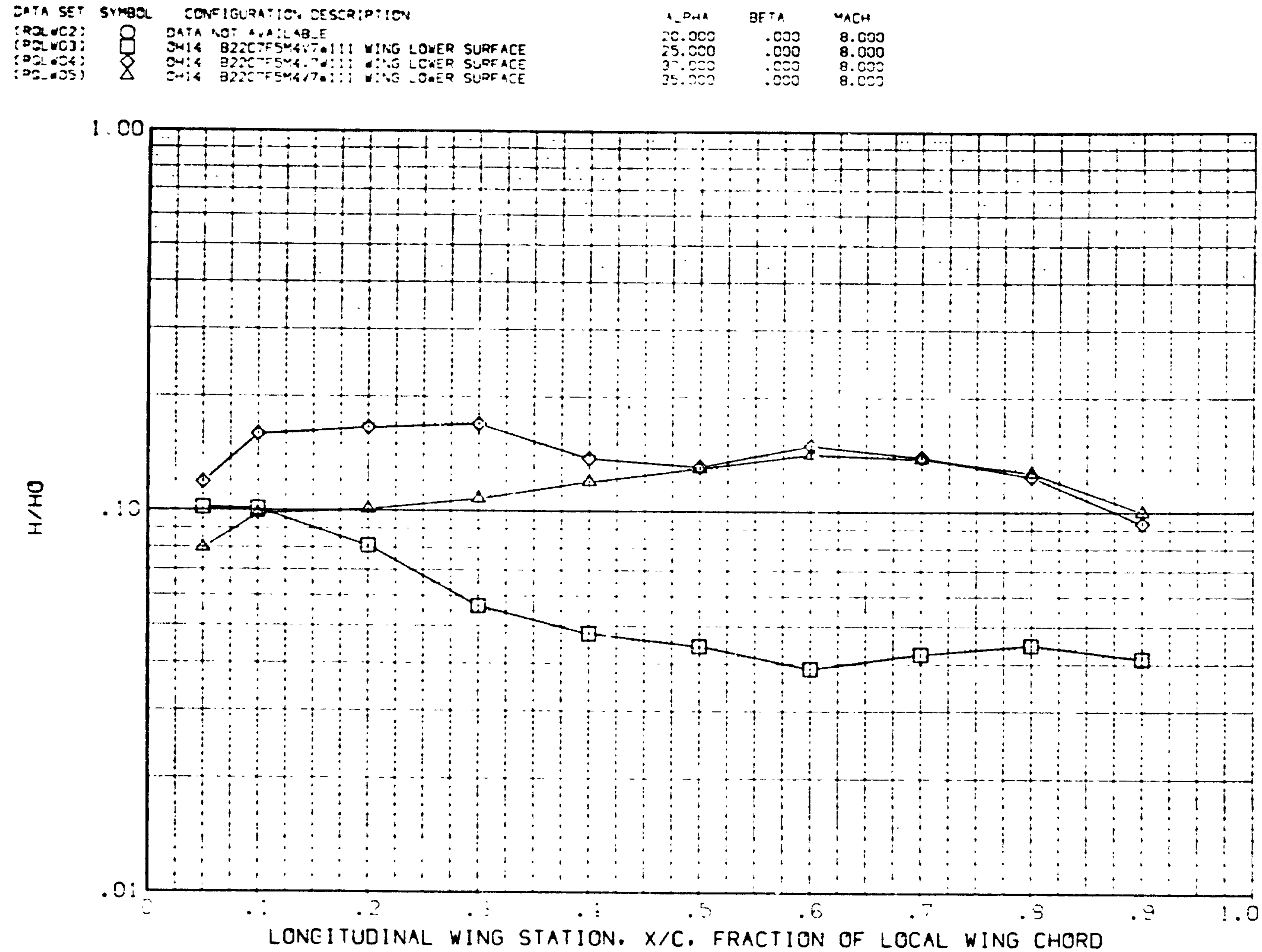
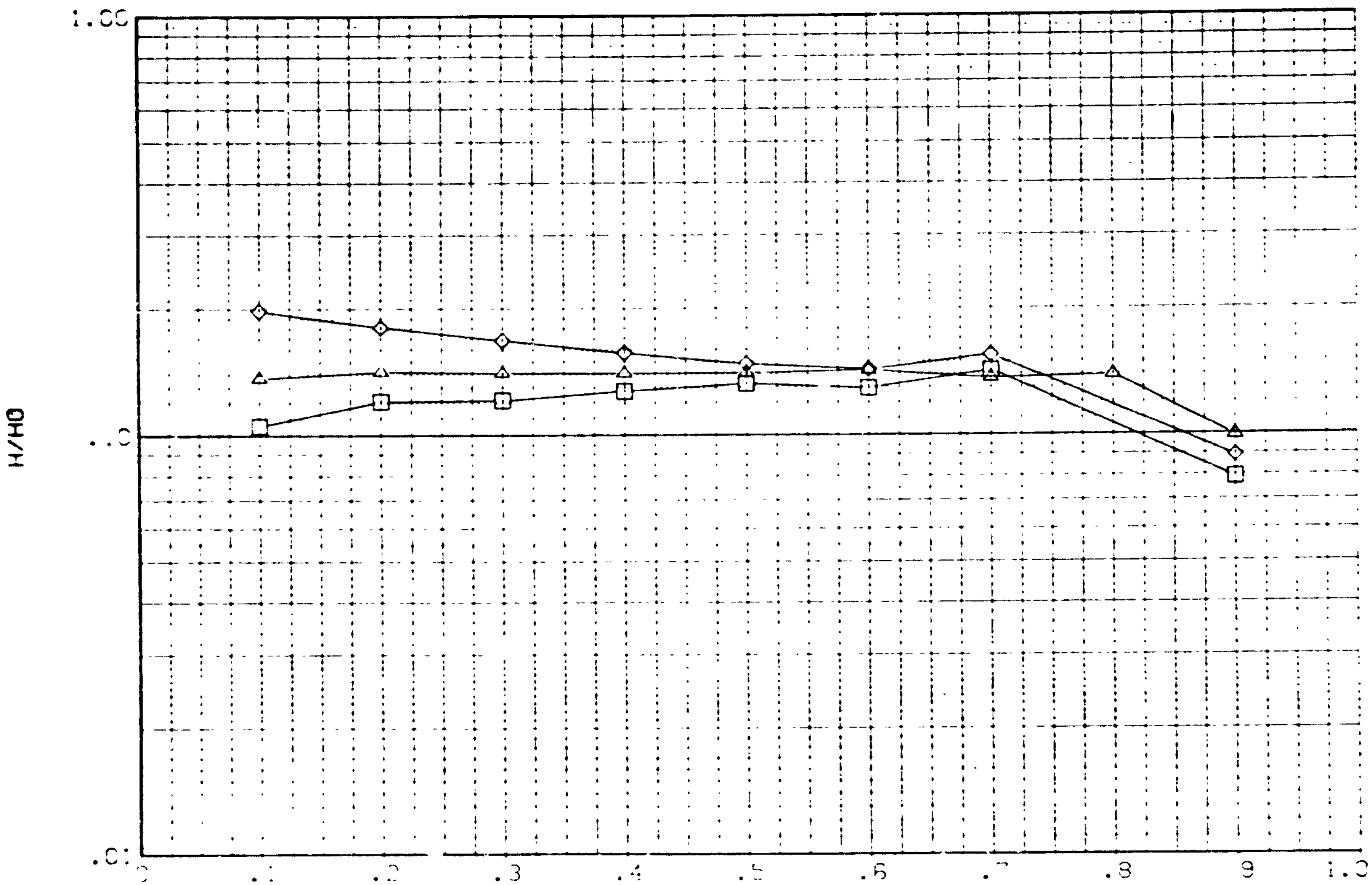


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 10.000 HAW/HT = .900 .400

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCL•02)		DATA NOT AVAILABLE	20.000	.000	8.000
(RCL•03)	□	CH14 B22C7F5M4.7•111 WING LOWER SURFACE	25.000	.000	8.000
(RCL•04)	◇	CH14 B22C7F5M4.7•111 WING LOWER SURFACE	30.000	.000	8.000
(RCL•05)	△	CH14 B22C7F5M4.7•111 WING LOWER SURFACE	35.000	.000	8.000



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL WING CHORD

FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 10.000 HAWHAT = .900 ... .010

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLWC2)	○	DA 1 NOT AVAILABLE	20.000	.000	8.000
(RQLWC3)	□	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	25.000	.000	8.000
(RQLWC4)	◇	OH14 B22C7F5M4.7W111 WING LOWER SURFACE	30.000	.000	8.000
(RQLWC5)	△	OH14 B22C7F5M4V7W111 WING LOWER SURFACE	35.000	.000	8.000

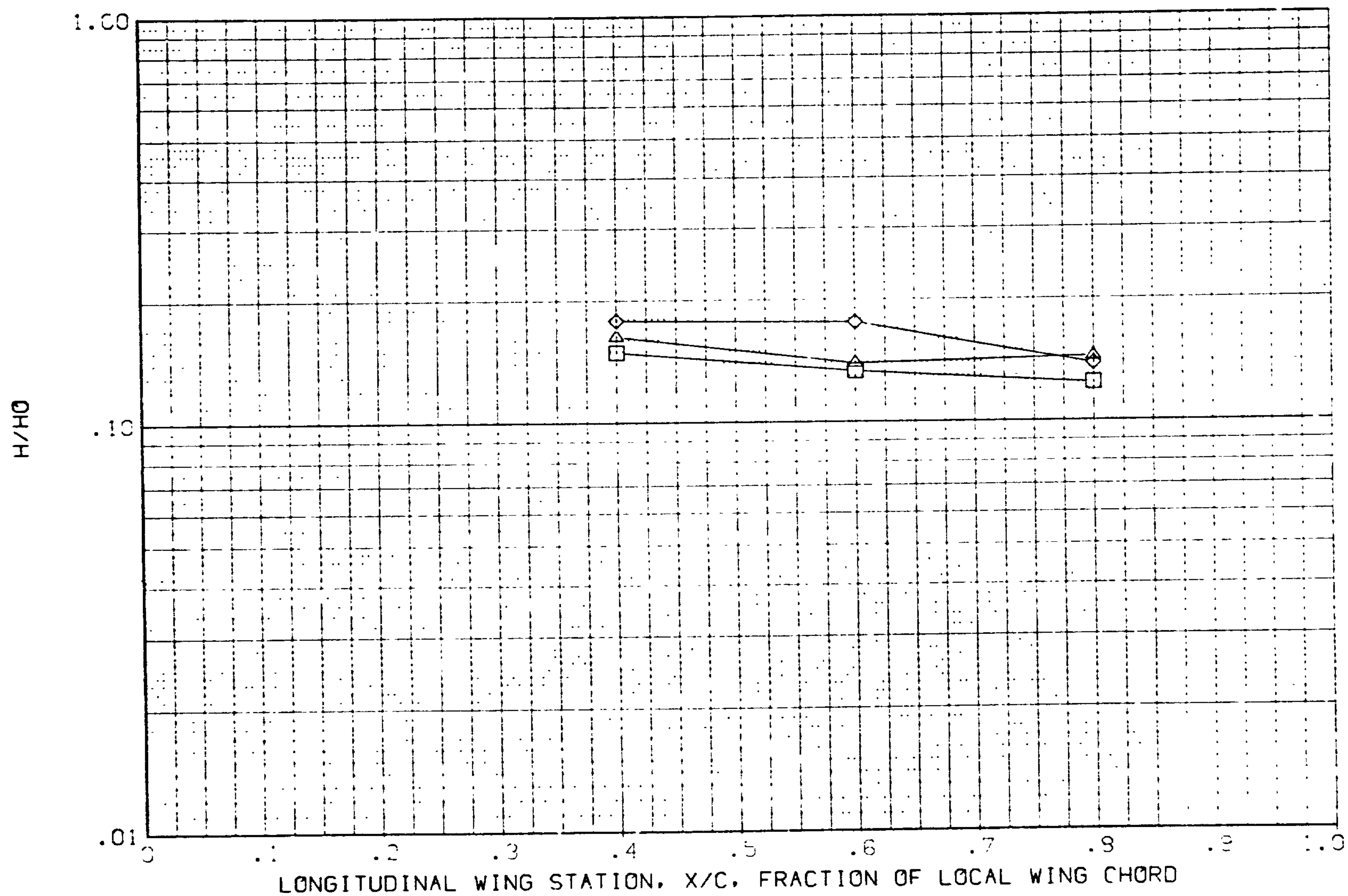


FIG 17 VARIATION WITH ANGLE OF ATTACK ON WING LOWER SURFACE

RN/L = 10.000 HAW/HT = .900 2Y/B = .800

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RCLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RCLS04)	◇	C-14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RCLS05)	△	C-14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

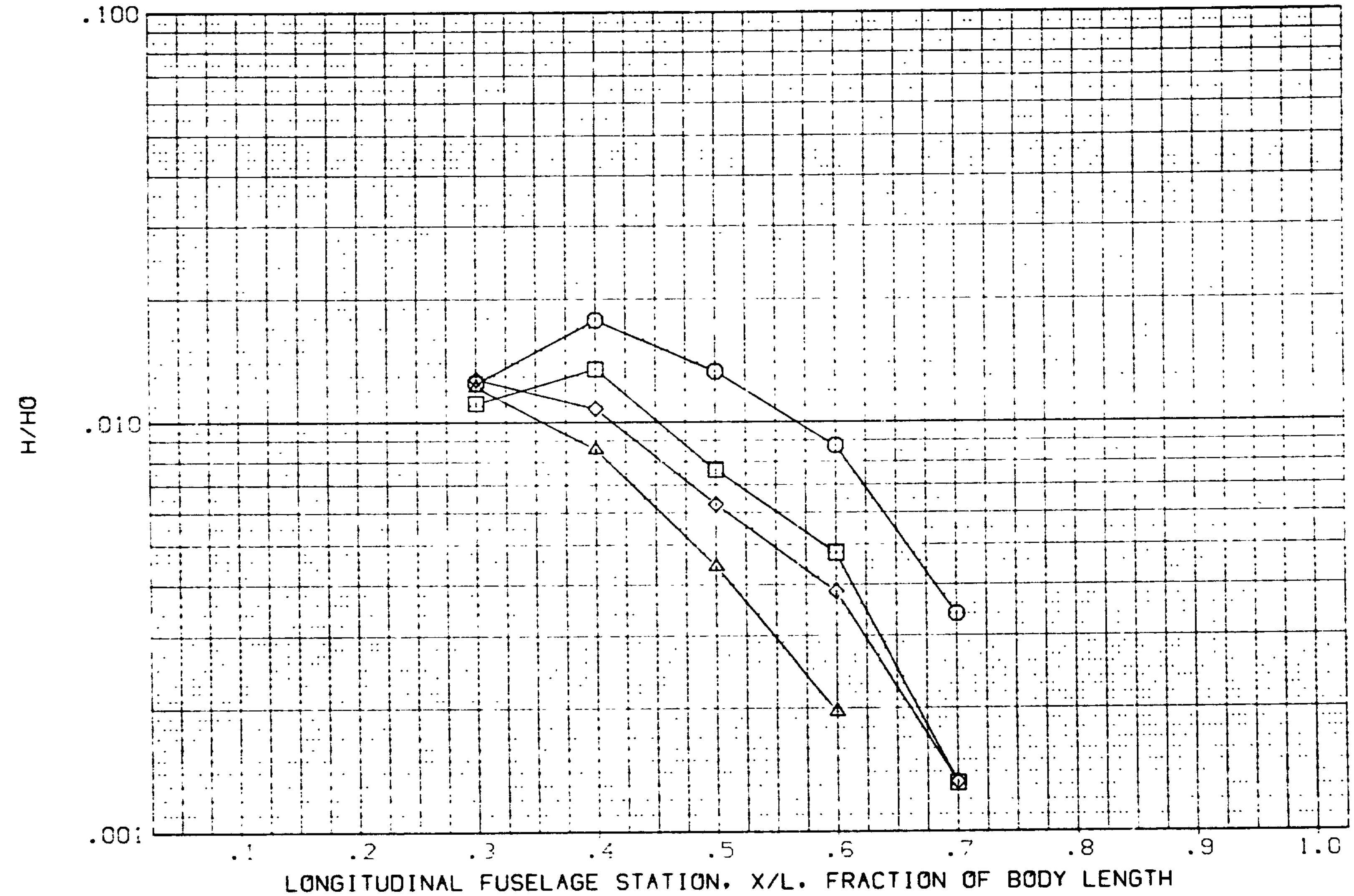


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT - .850 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

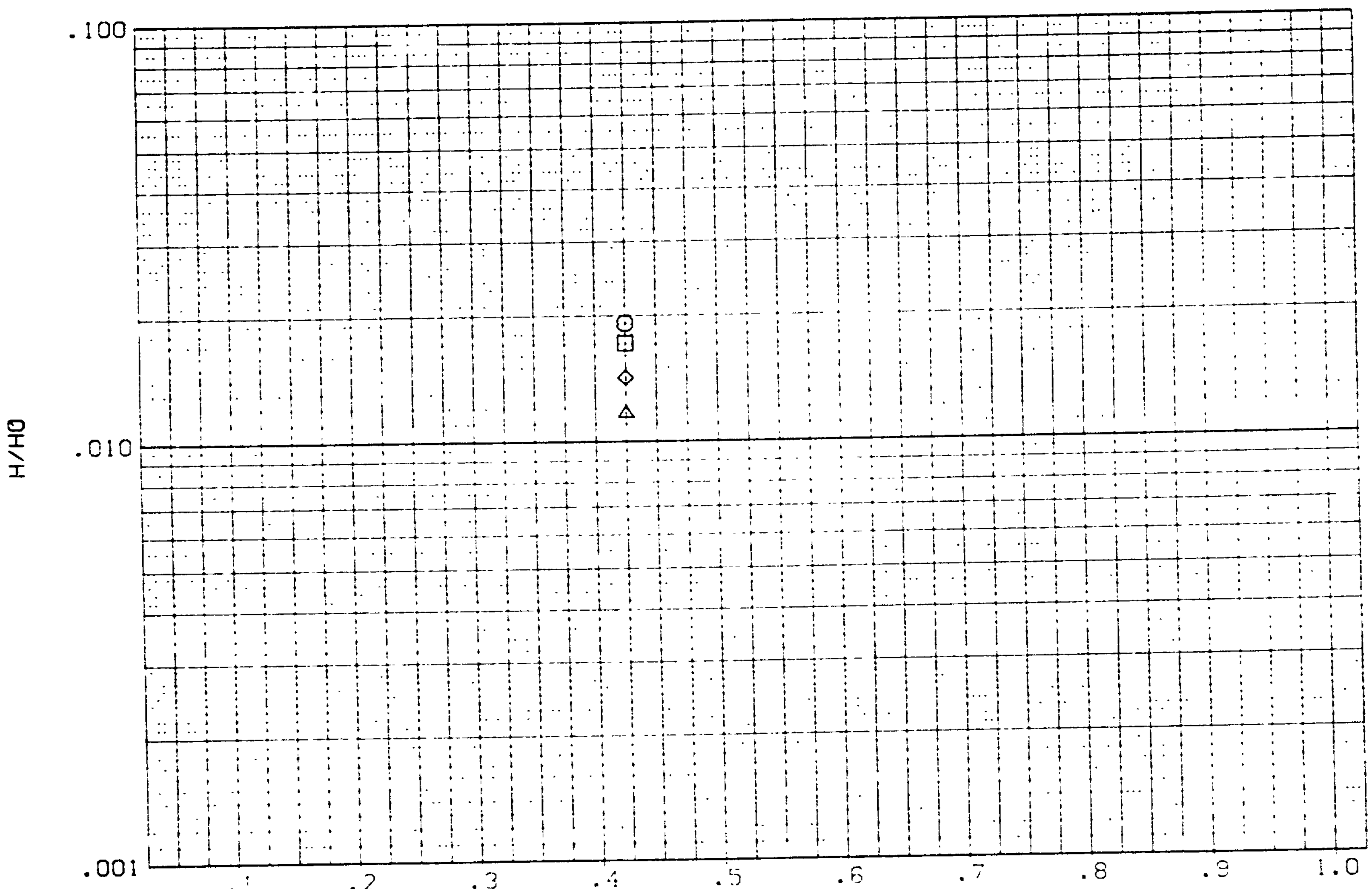
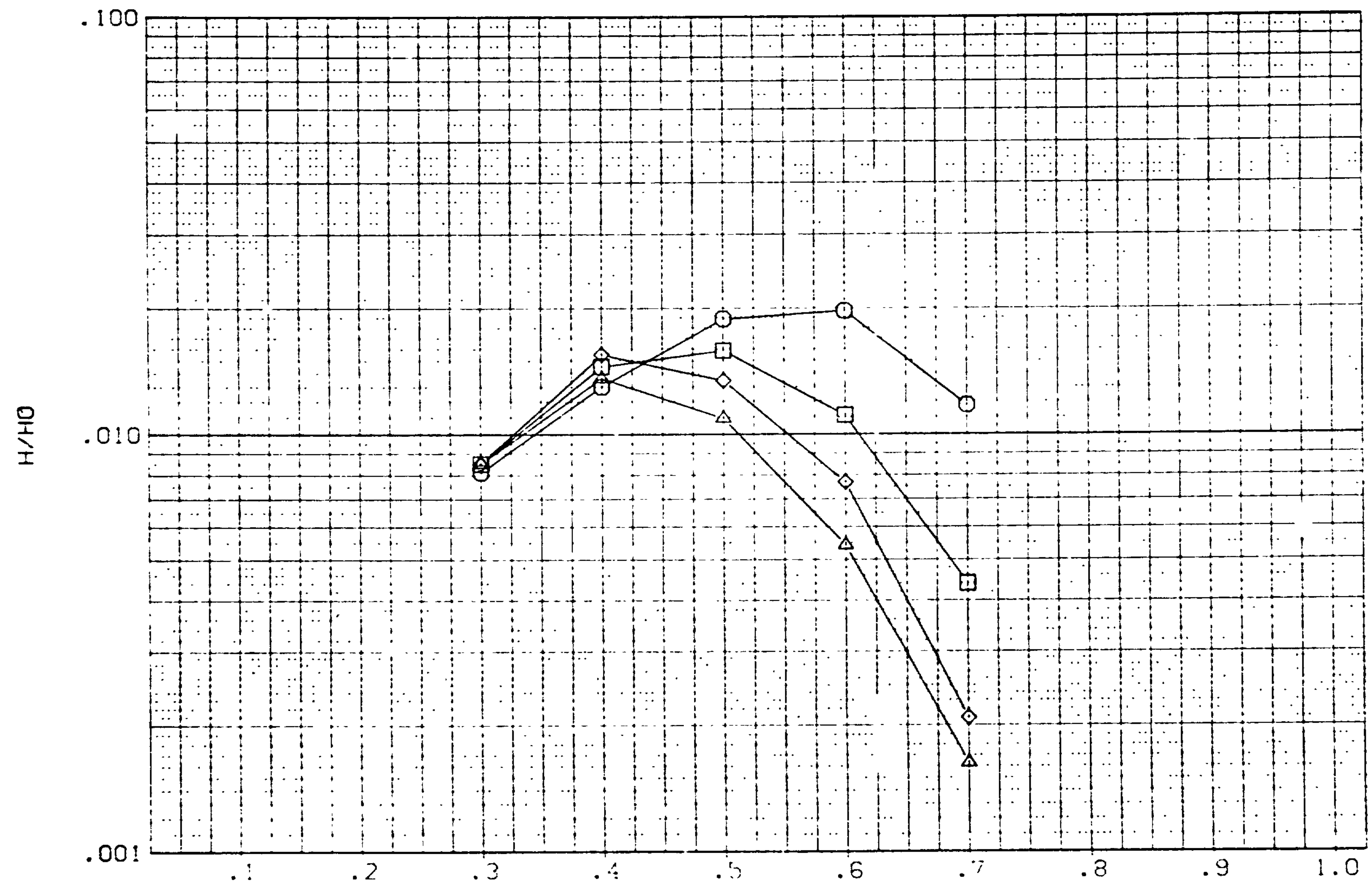


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT = .850 W.P. = 400. 00

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RGLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RGLS04)	◇	OH14 B22C7F5M4.7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RGLS05)	△	OH14 B22C7F5M4.7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT = .850 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSO2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

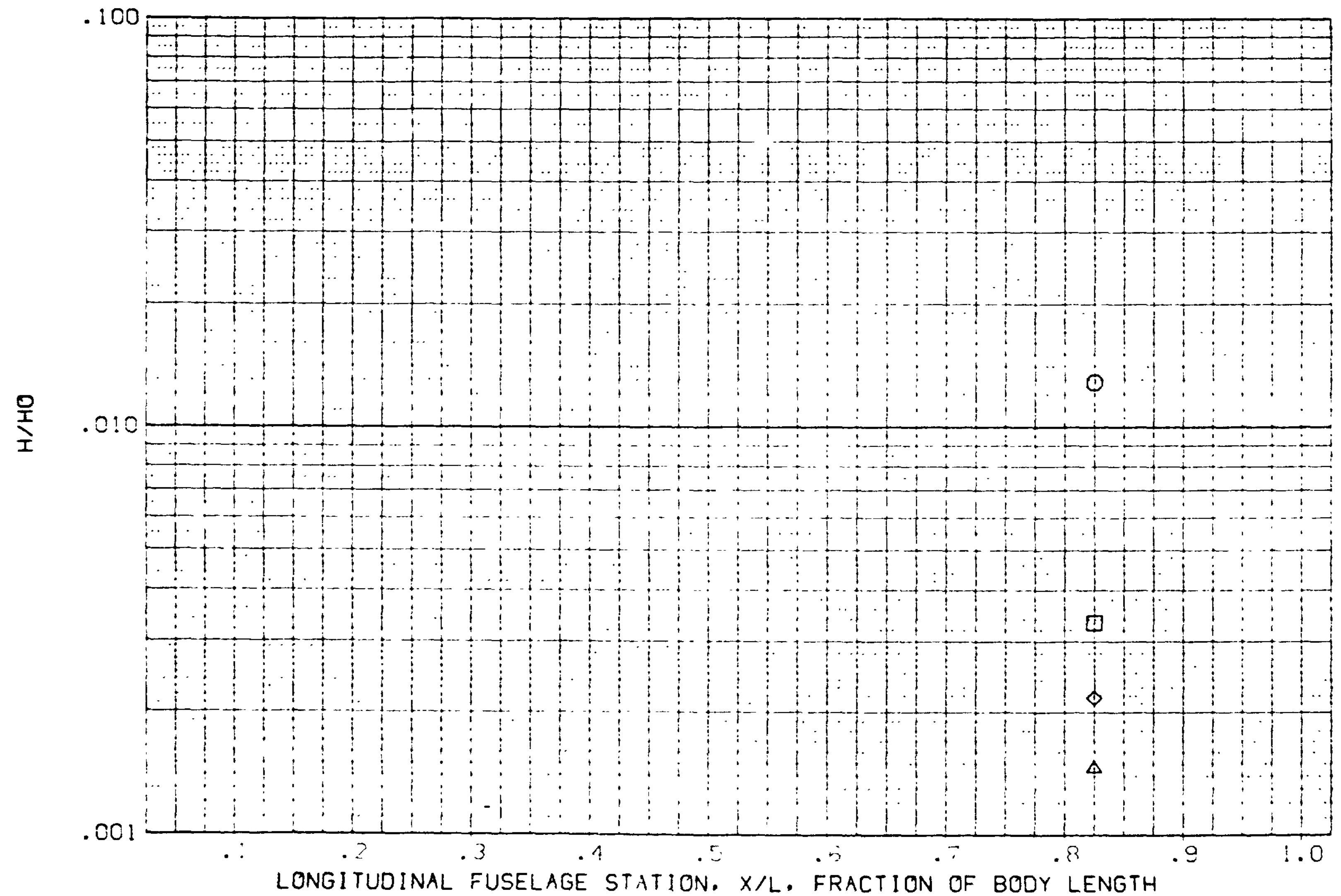


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW HT = .850 A.F. = 465.000

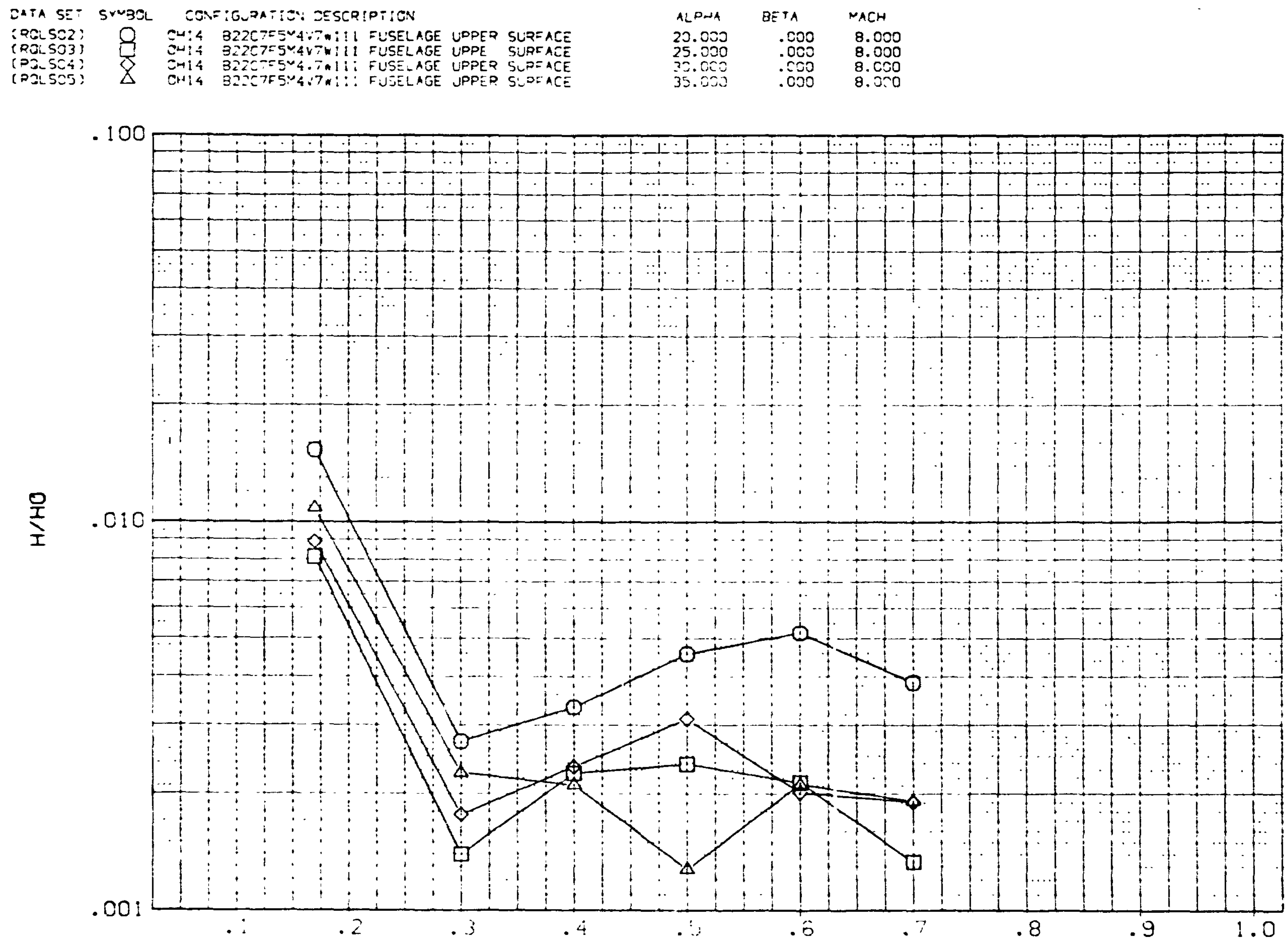


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT = .950 W.P. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

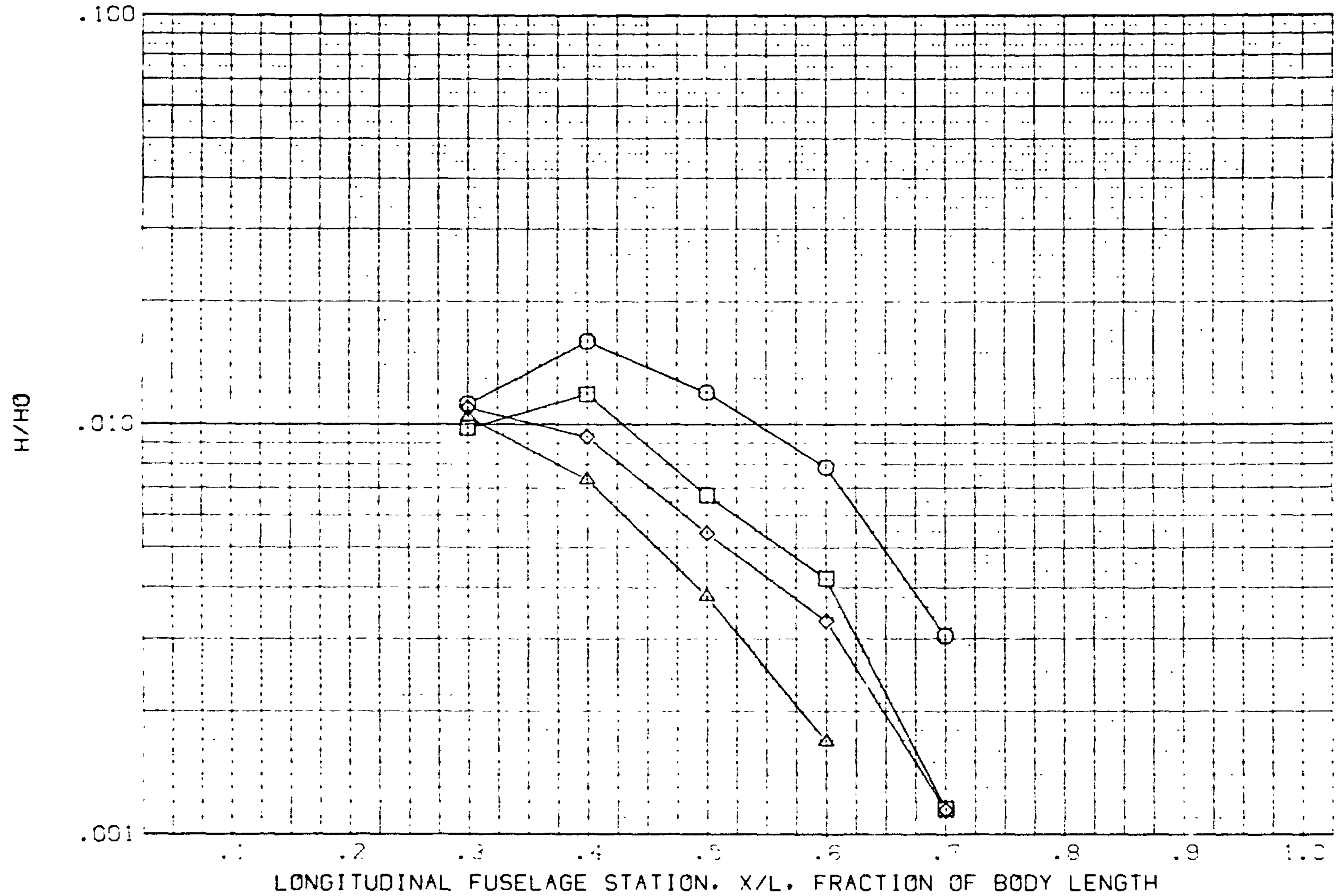


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT = .900 W.L.

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSO2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

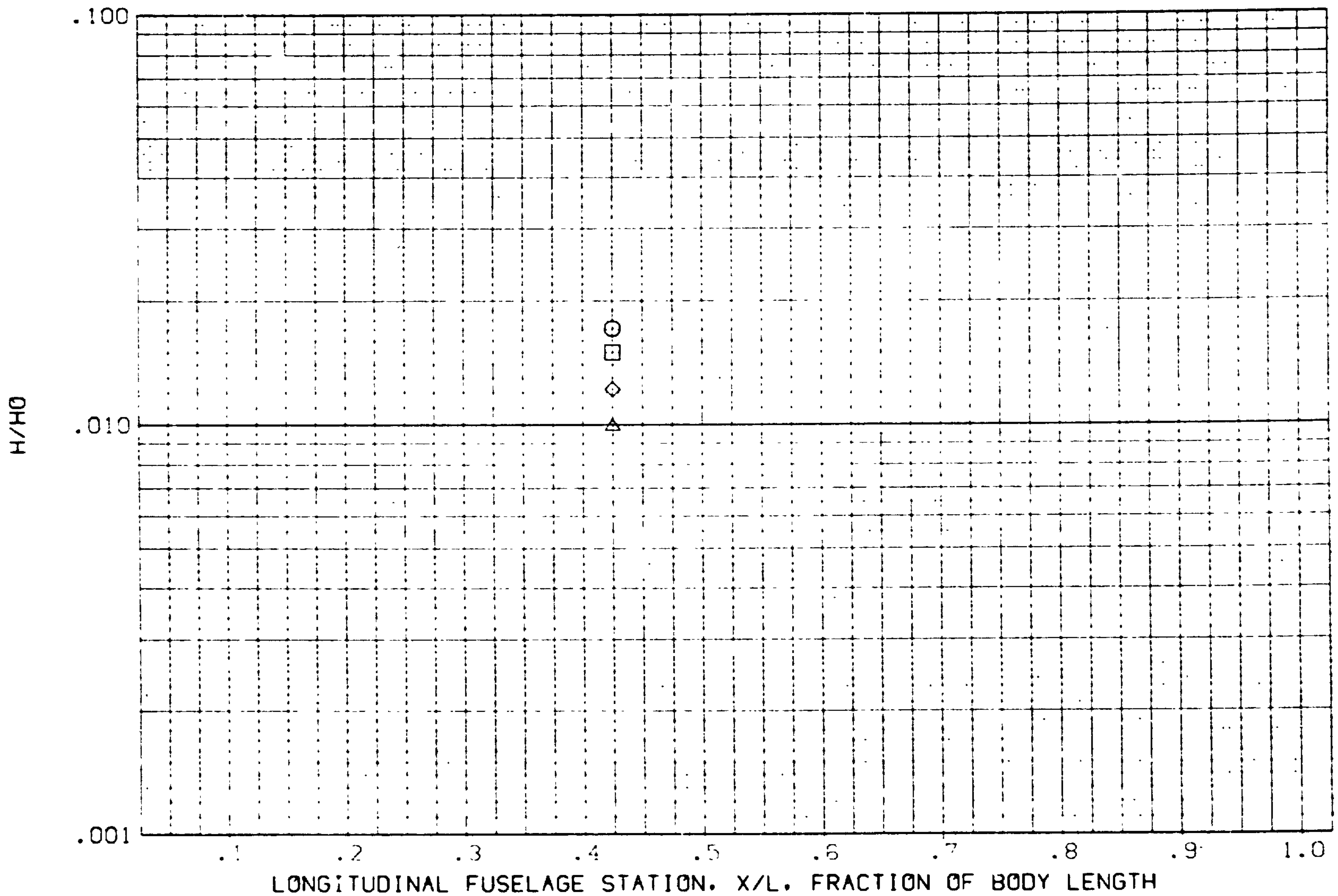


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW HT = .900 W.A. = 100.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

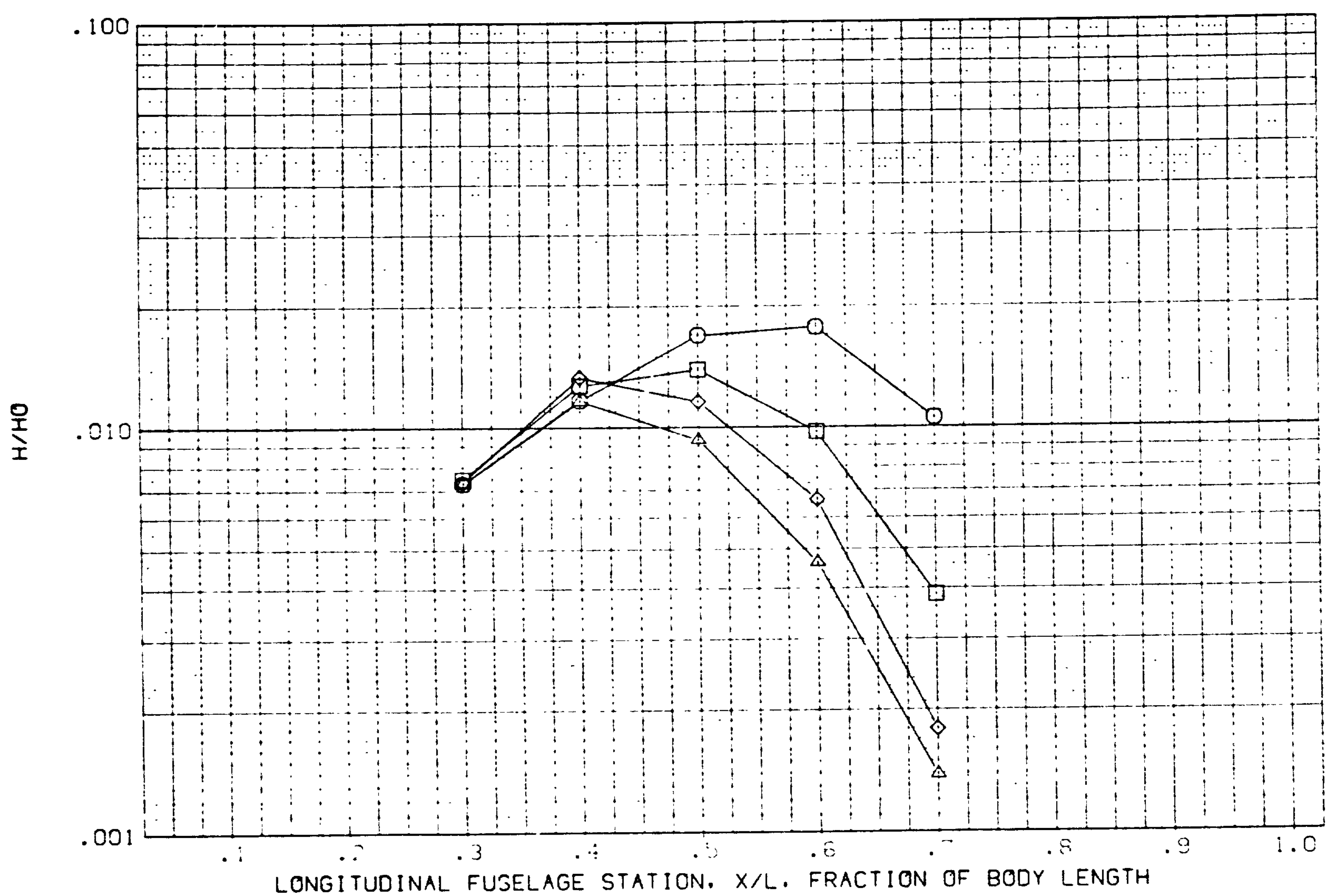


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT = .900 W.F. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RCLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RCLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RCLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

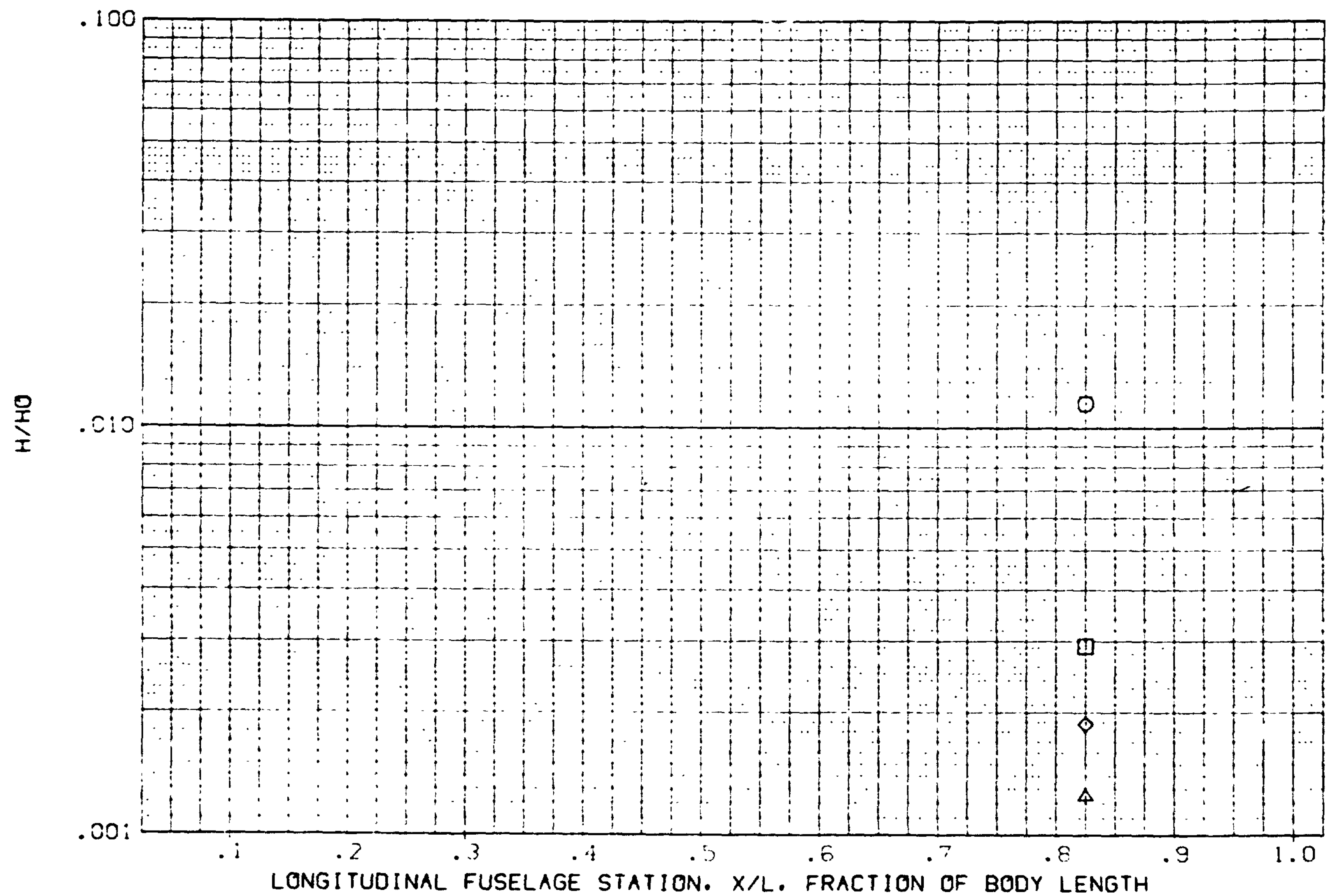


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW HT = .900 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

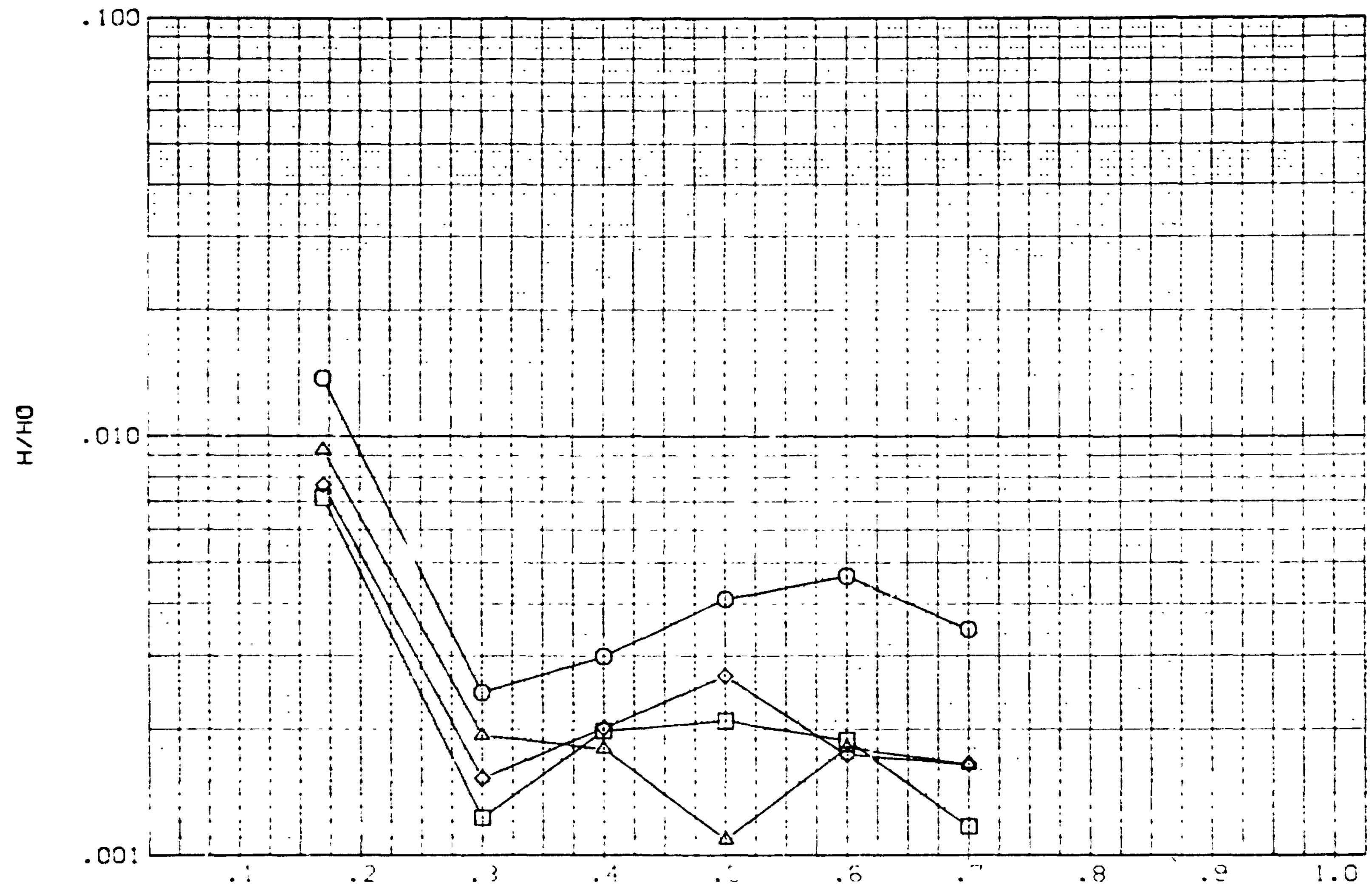


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 1.000 HAW/HT = .900 W.T. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLSC2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RGLSC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RGLSC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RGLSC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

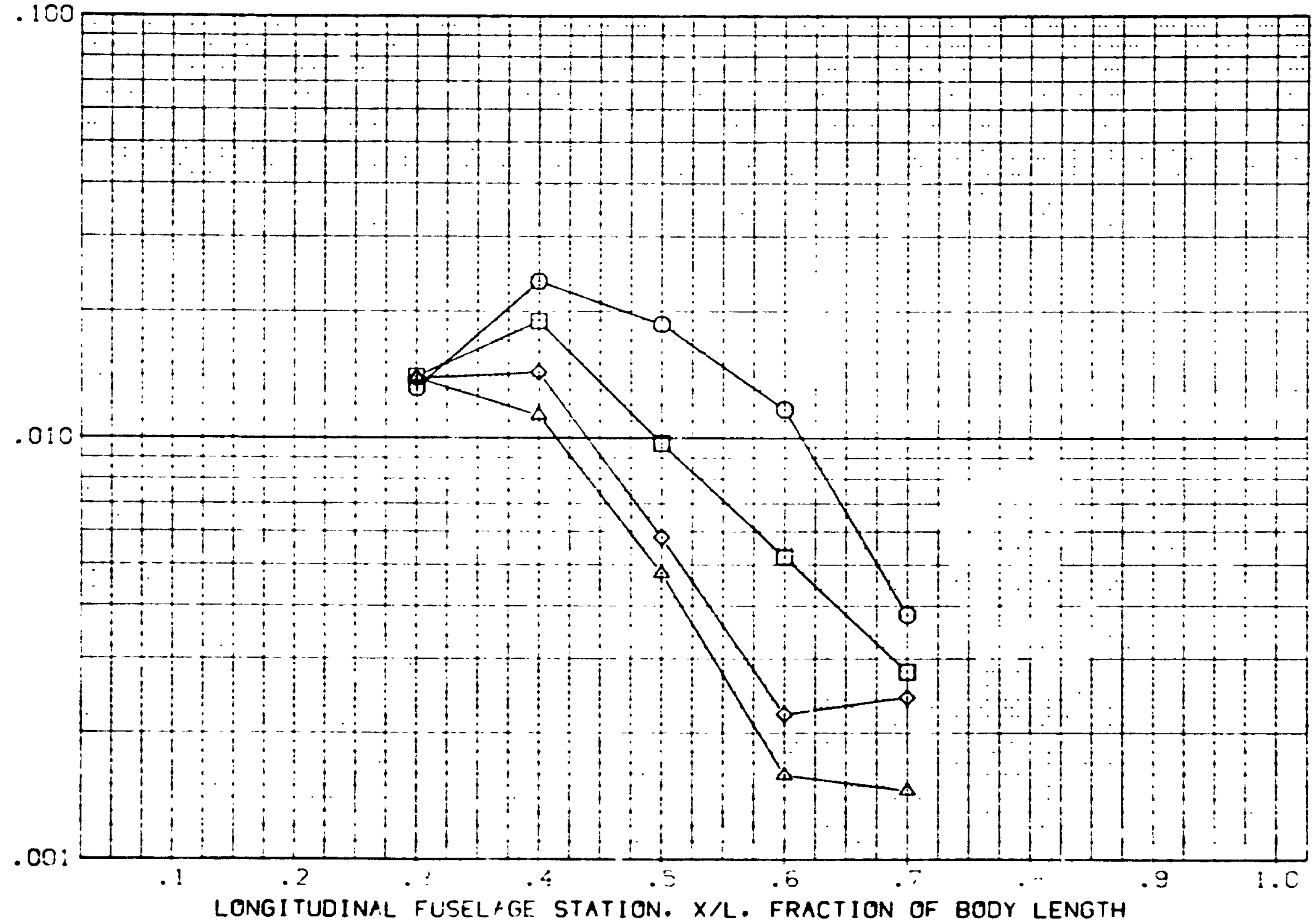


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 2.000 HAW/HT = .500 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSC2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

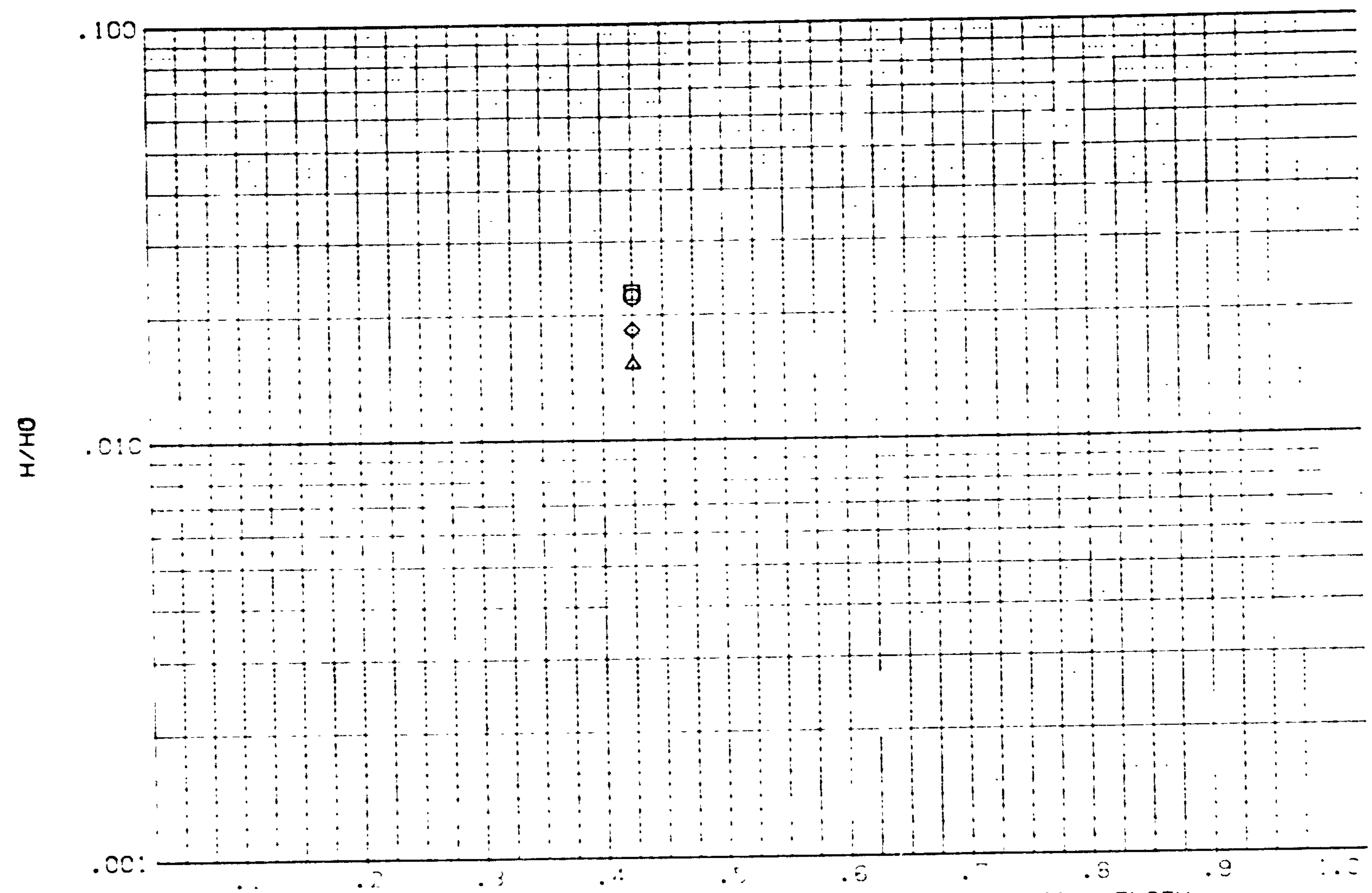


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW/HT = .850 A.T. = 400.000

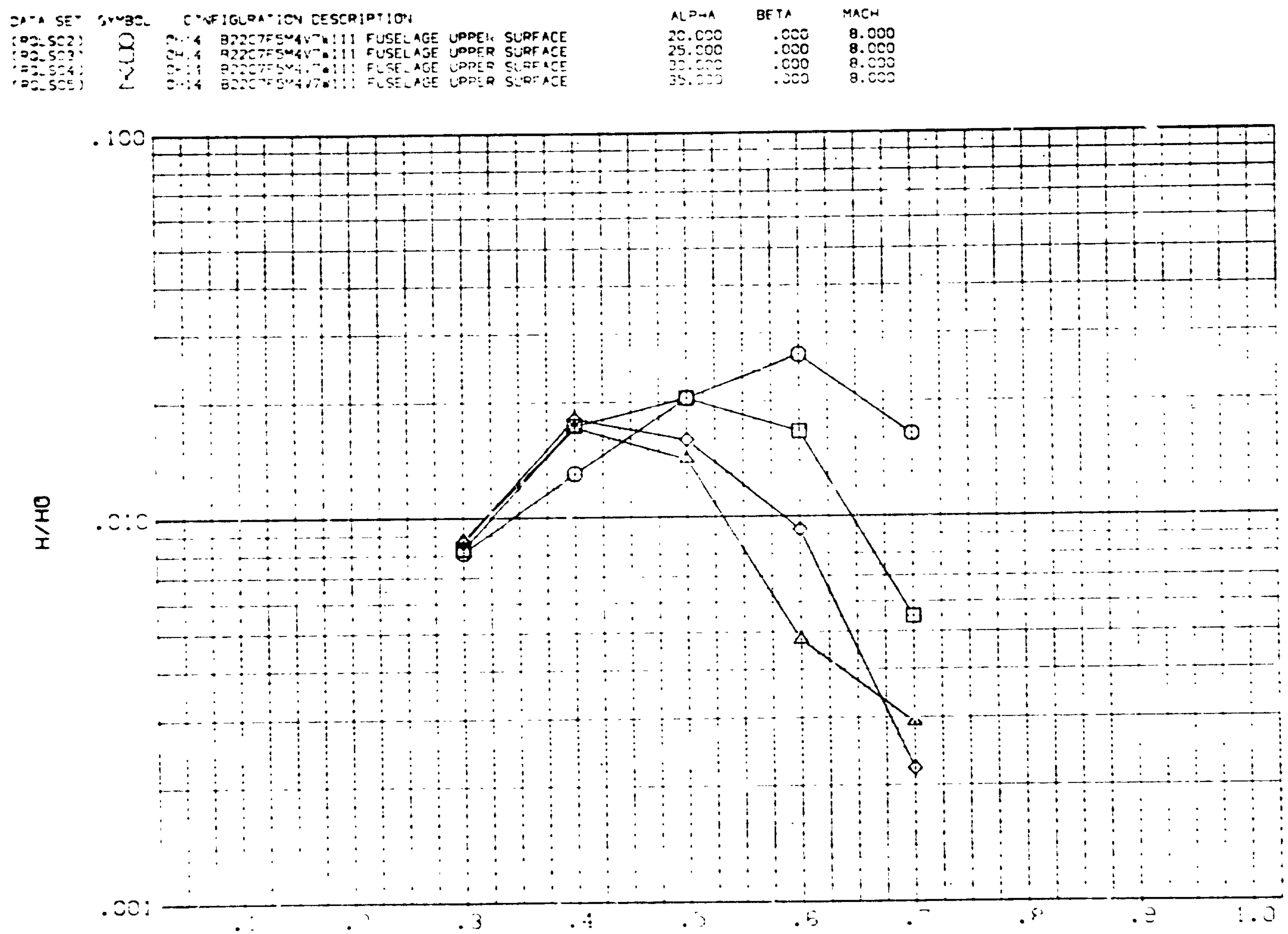
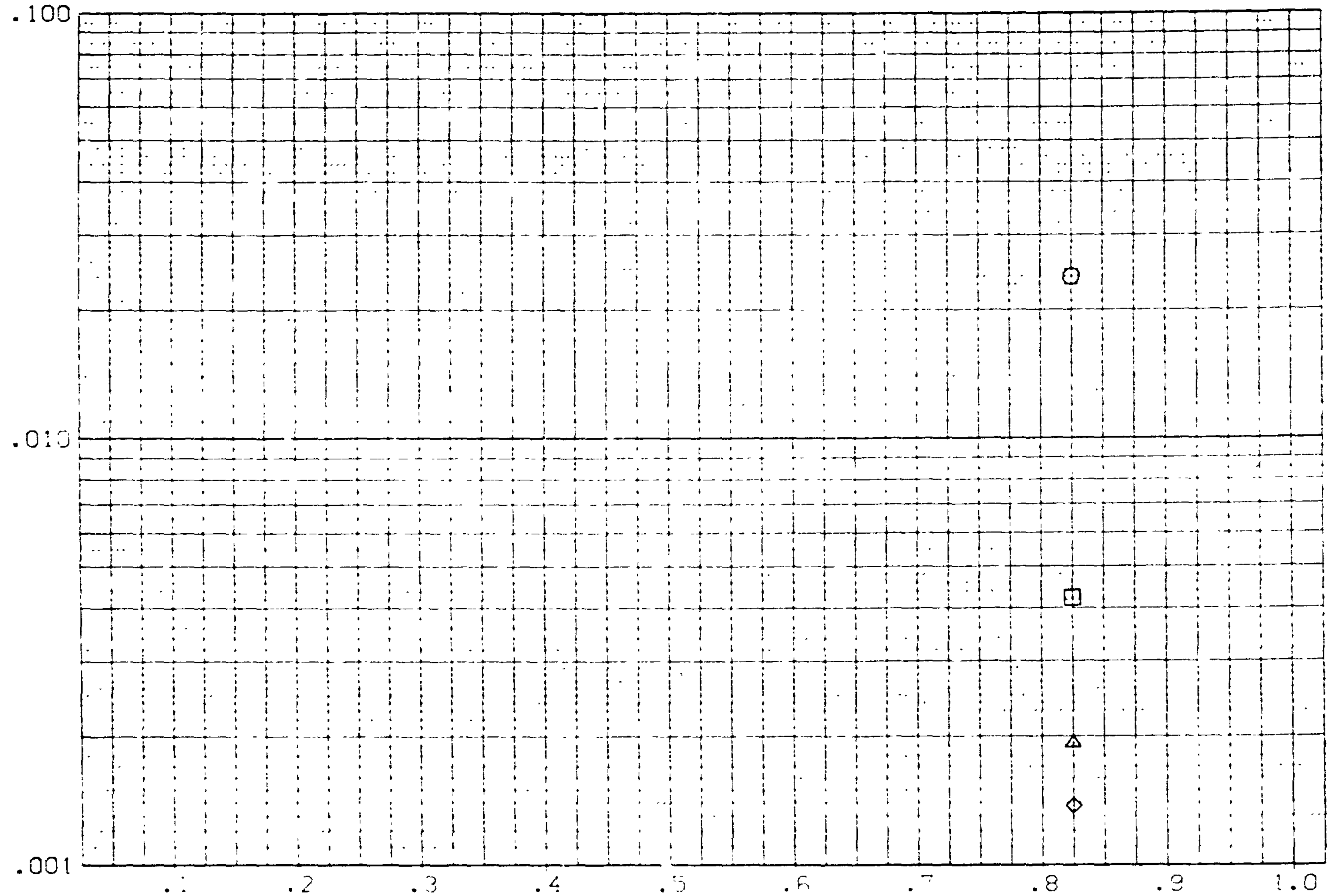


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW HT = .850 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

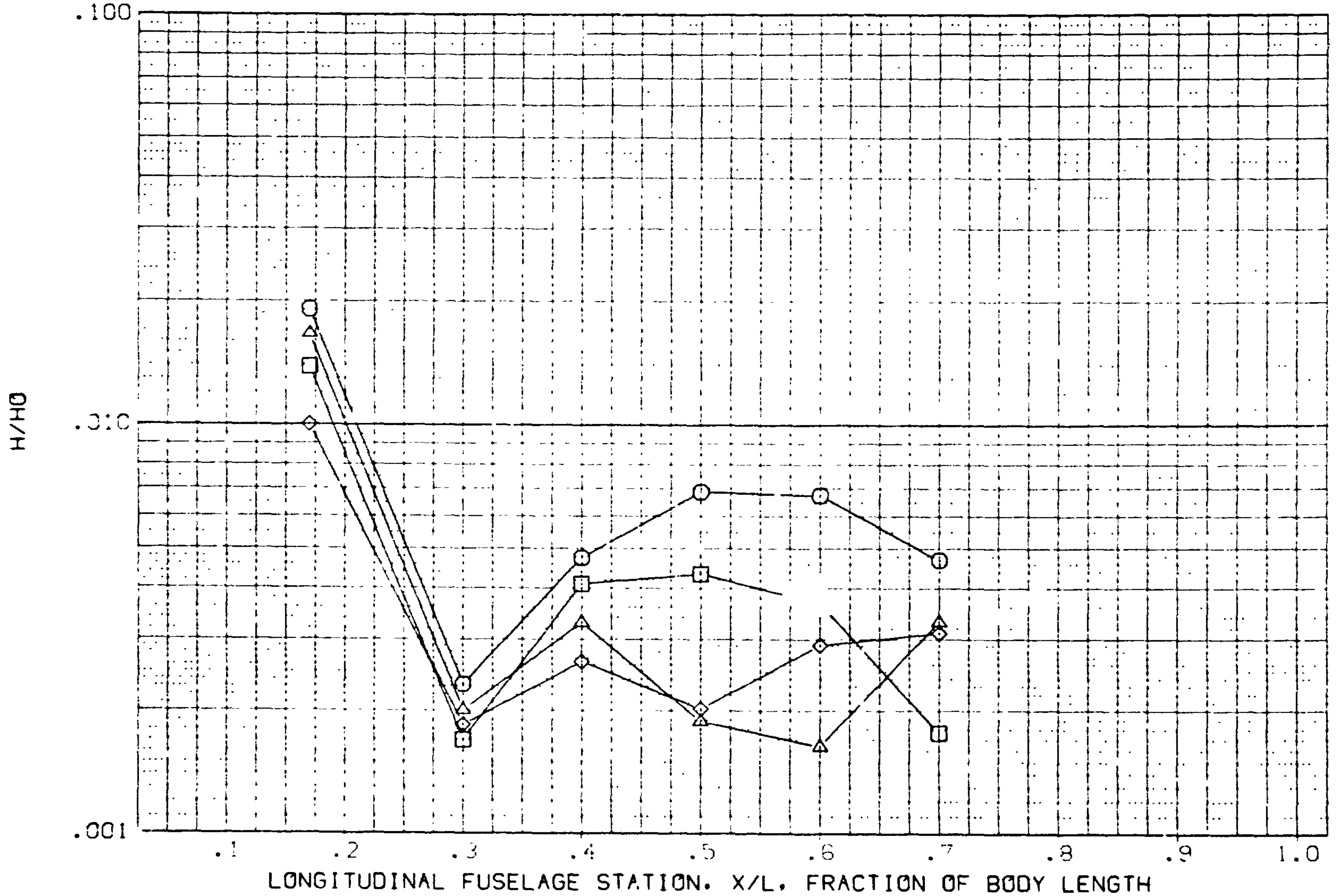


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW HT = .850 A.P. = 301.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSO2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(PQLSO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(PQLSO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

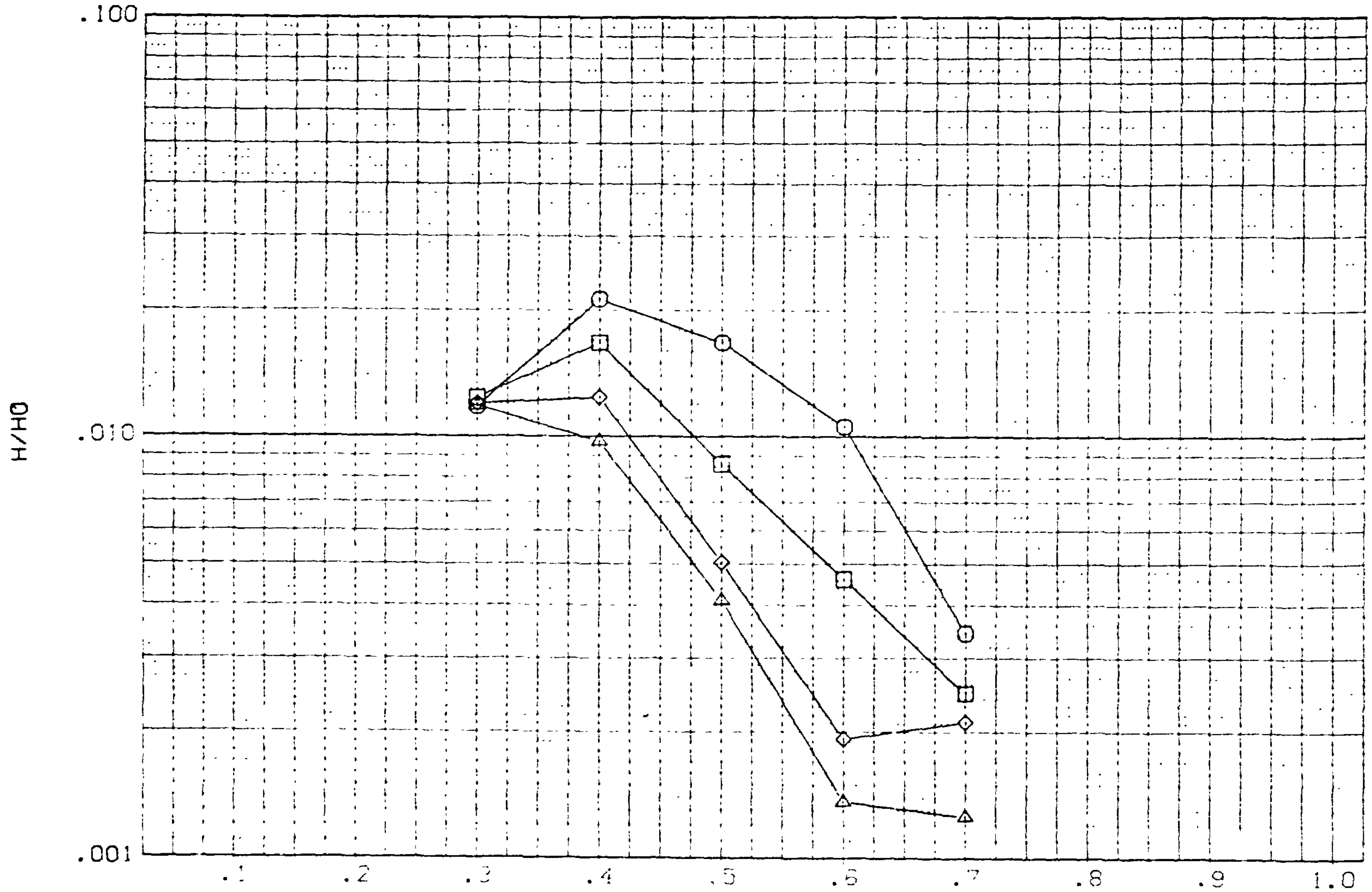


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW/HT = .900 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH11 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

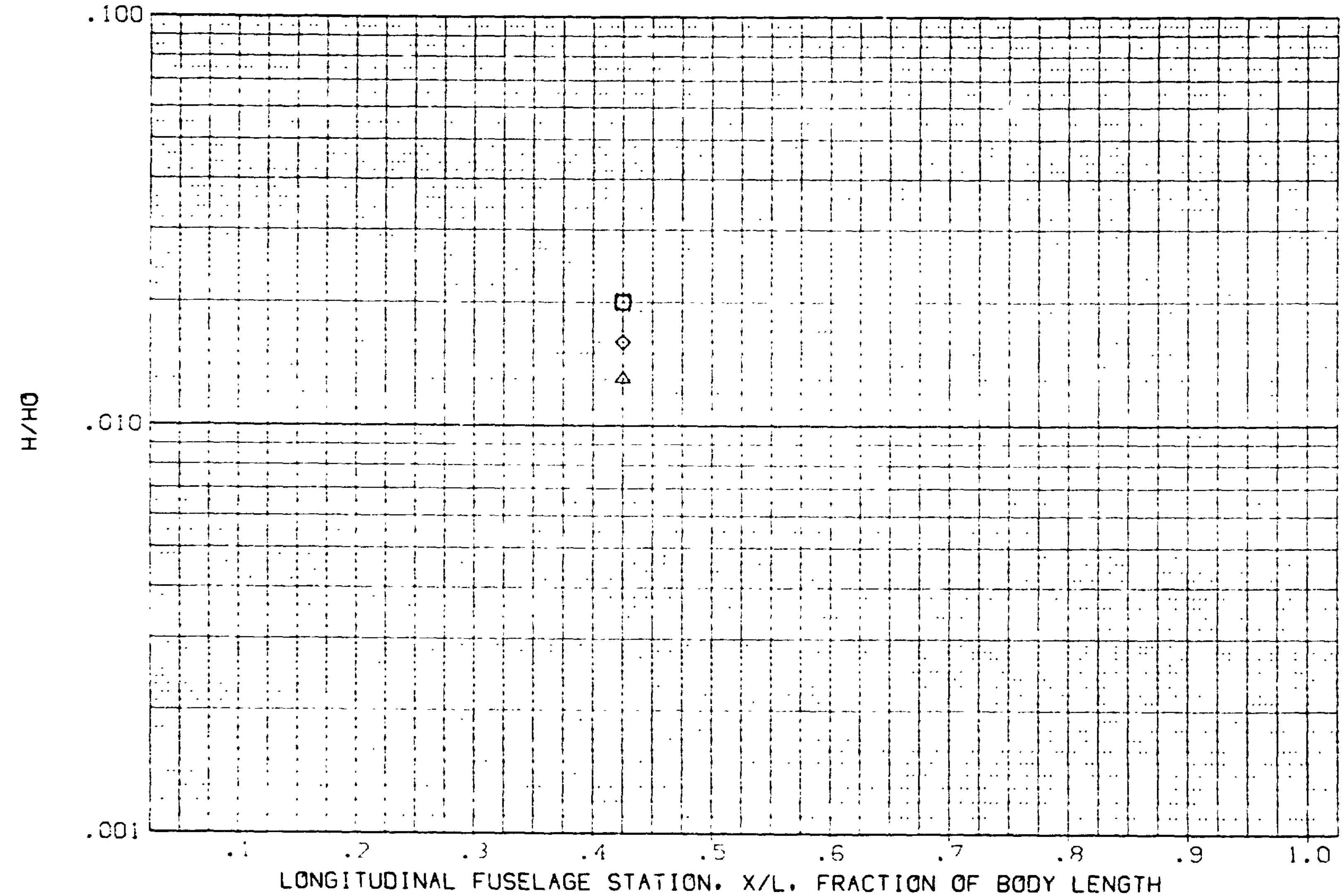


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW/HT = .900 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

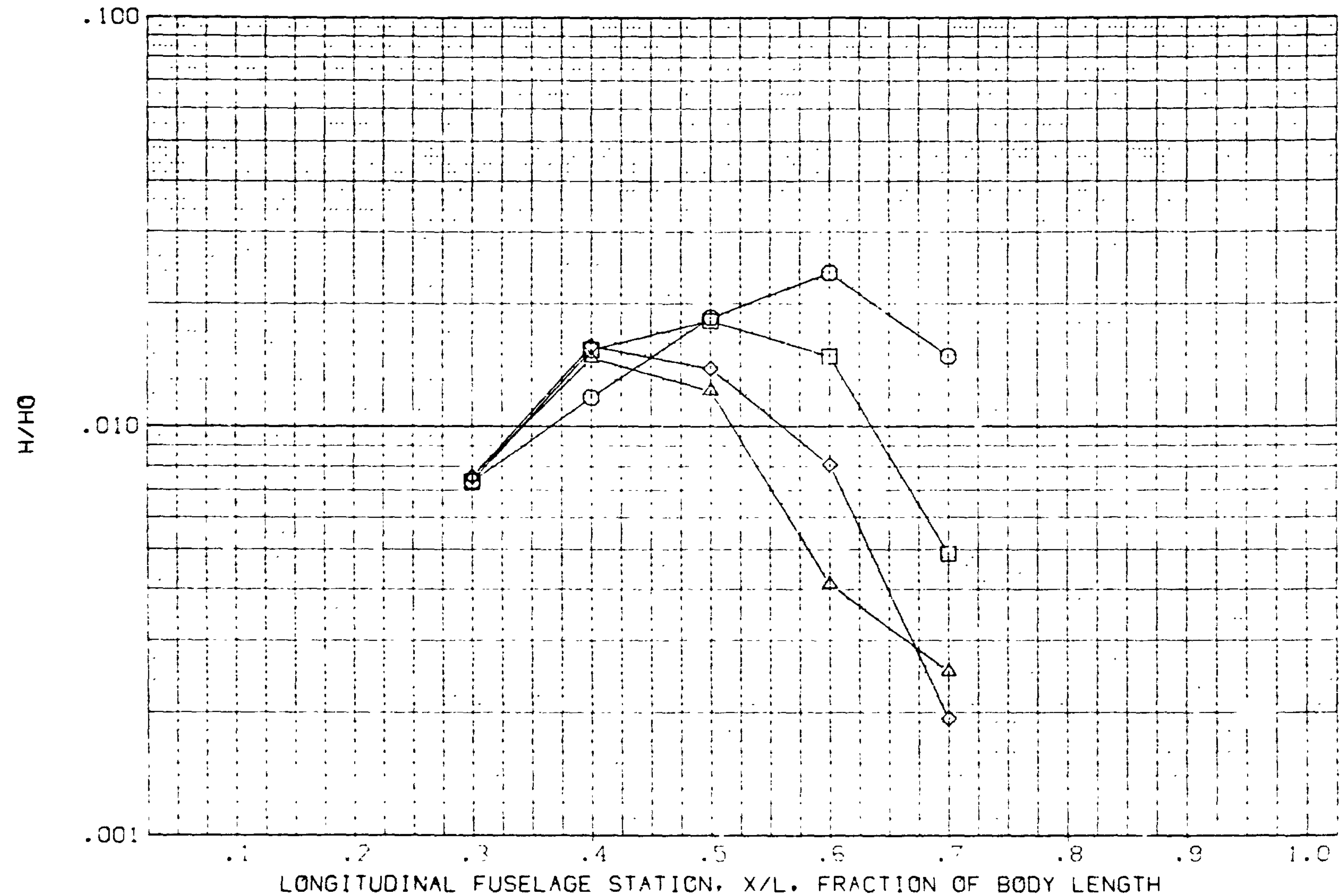


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW/HT = .900 W.P = 405.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQLS02)	○	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(PQLS03)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(PQLS04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(PQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

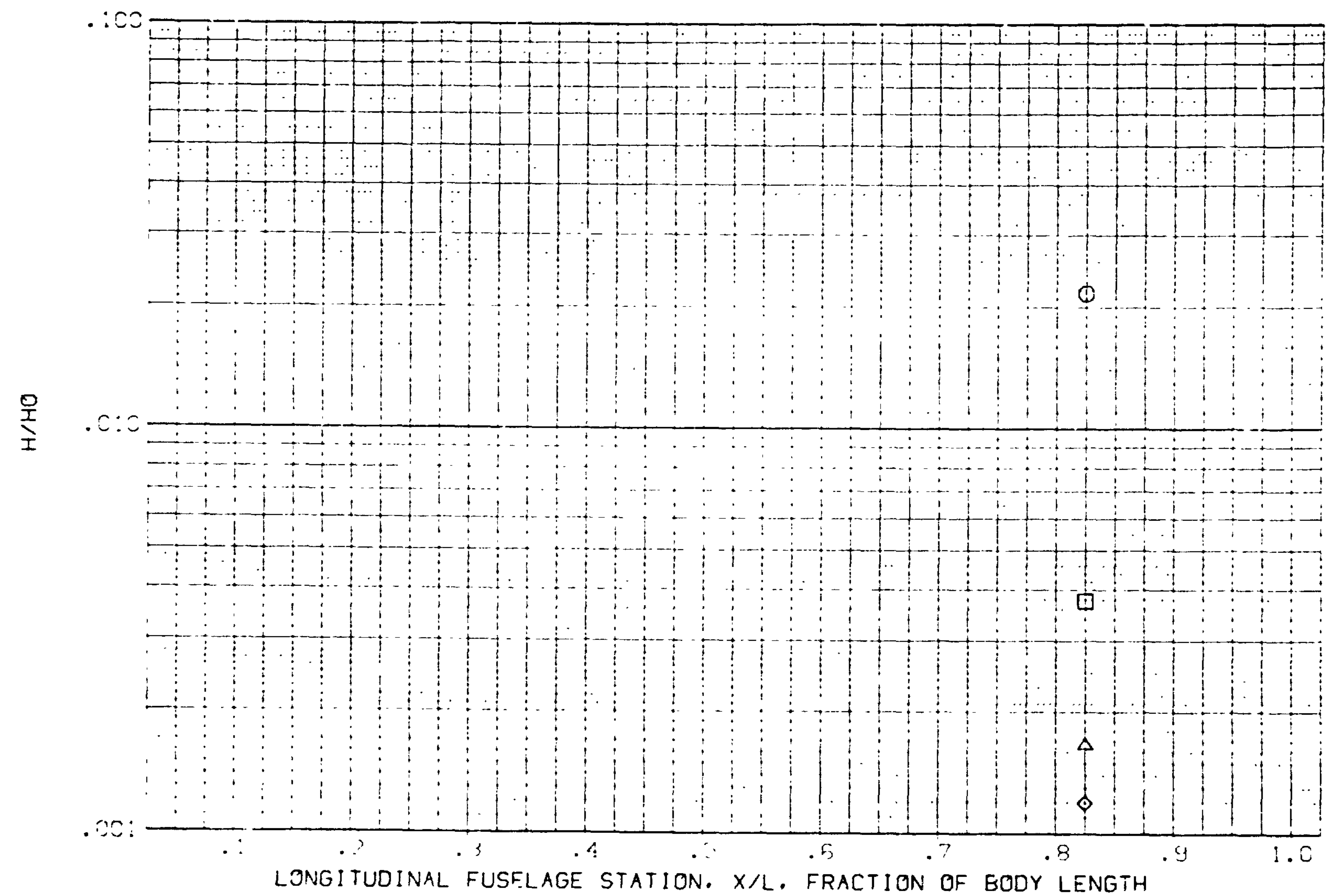


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW/HT = .900 W.P. 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSO2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

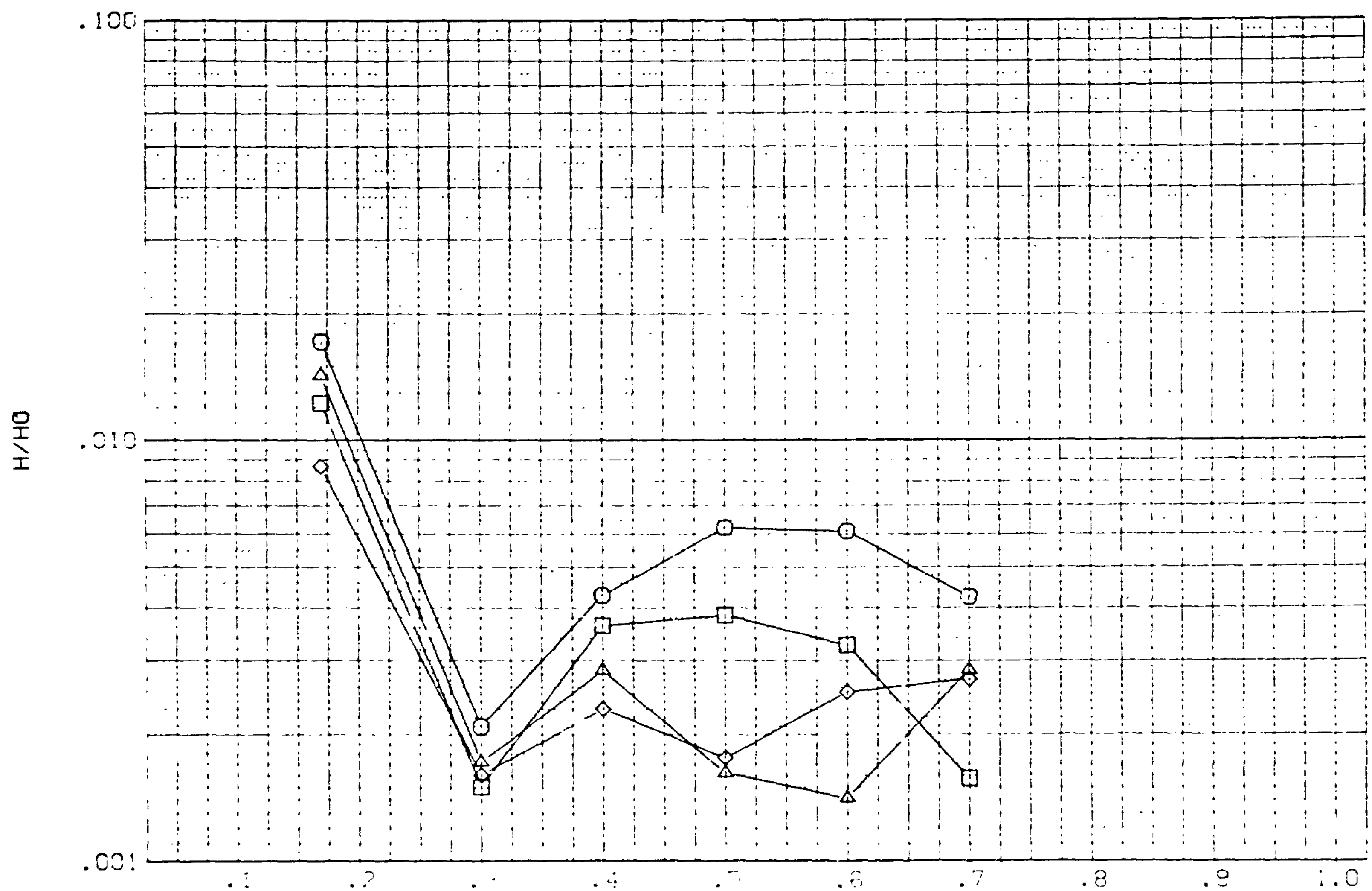


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 3.000 HAW/HT = .900 A.P. = 101.000

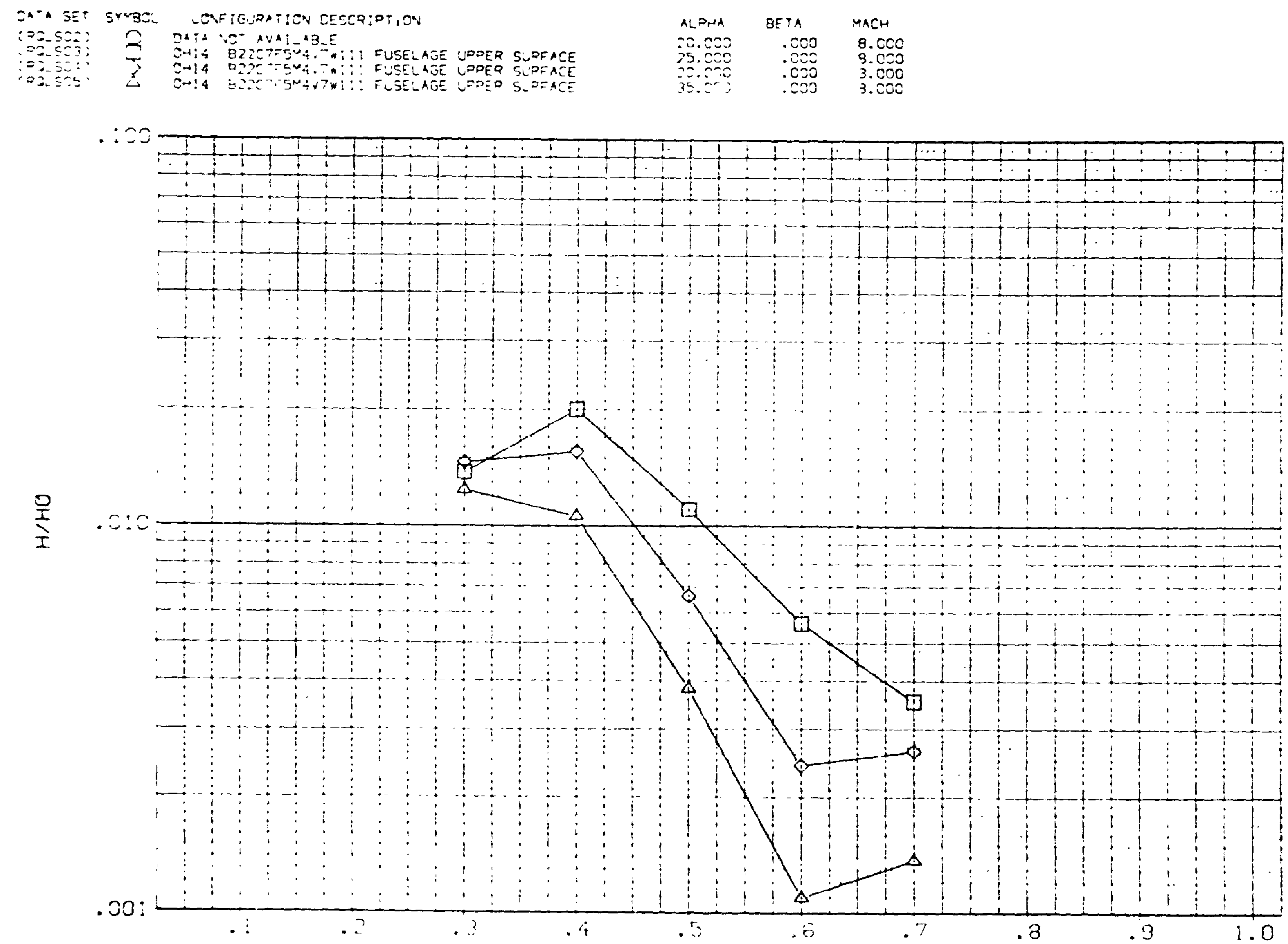


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

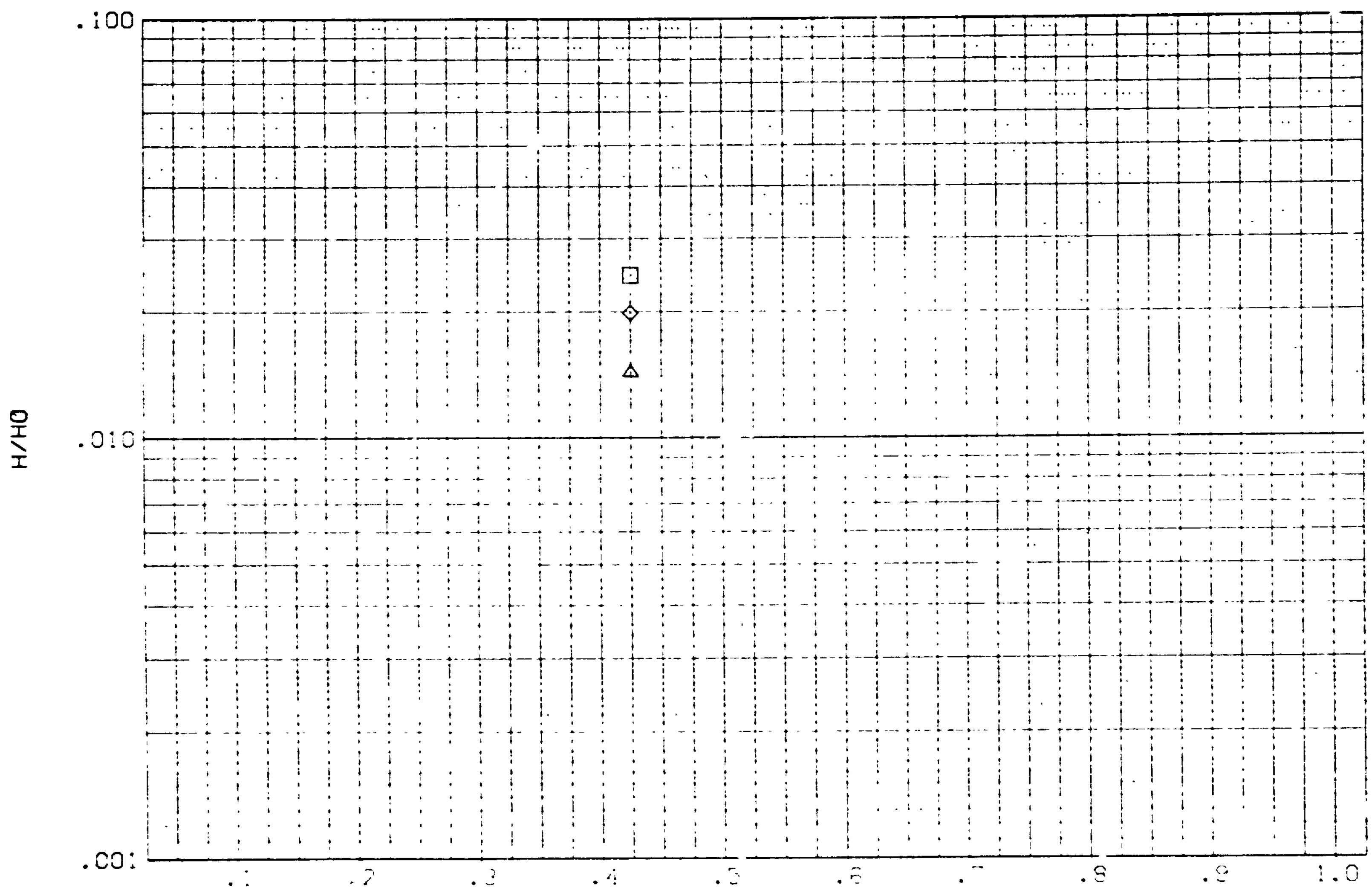


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT = .850 A.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(PQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(PQLS03)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(PQLS04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(PQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

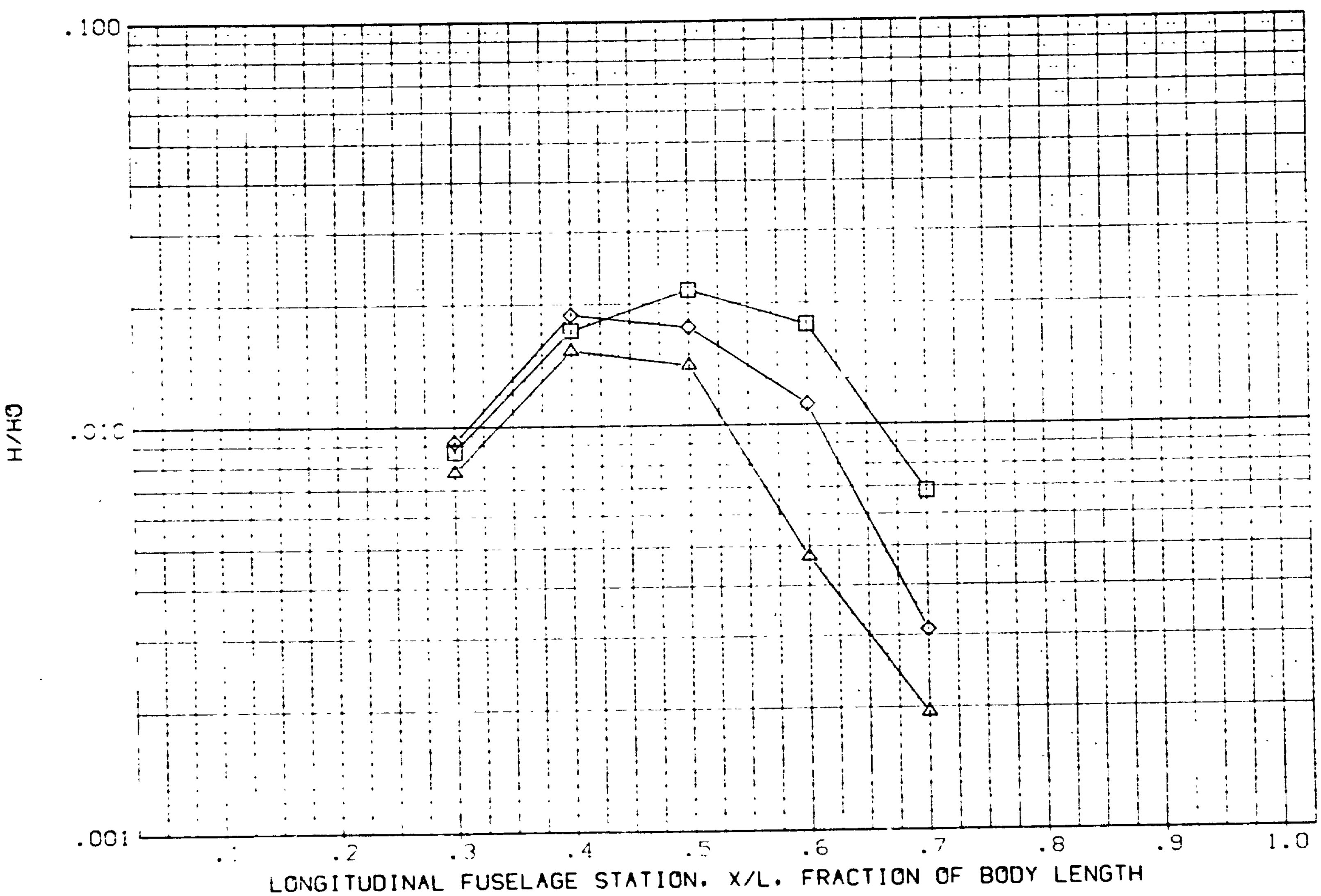
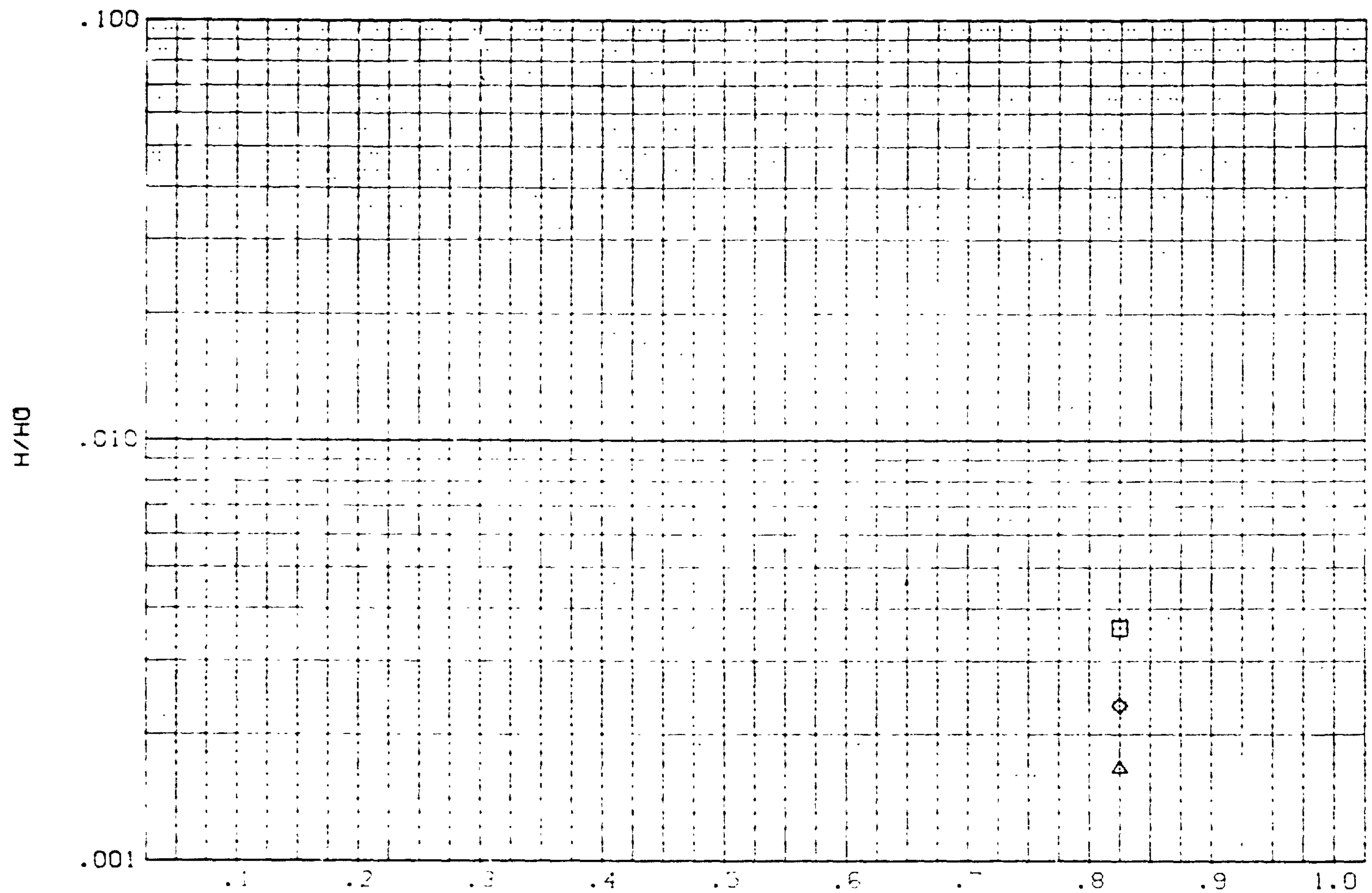


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT .850 [illegible] 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT = .850 W.P. = 405.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

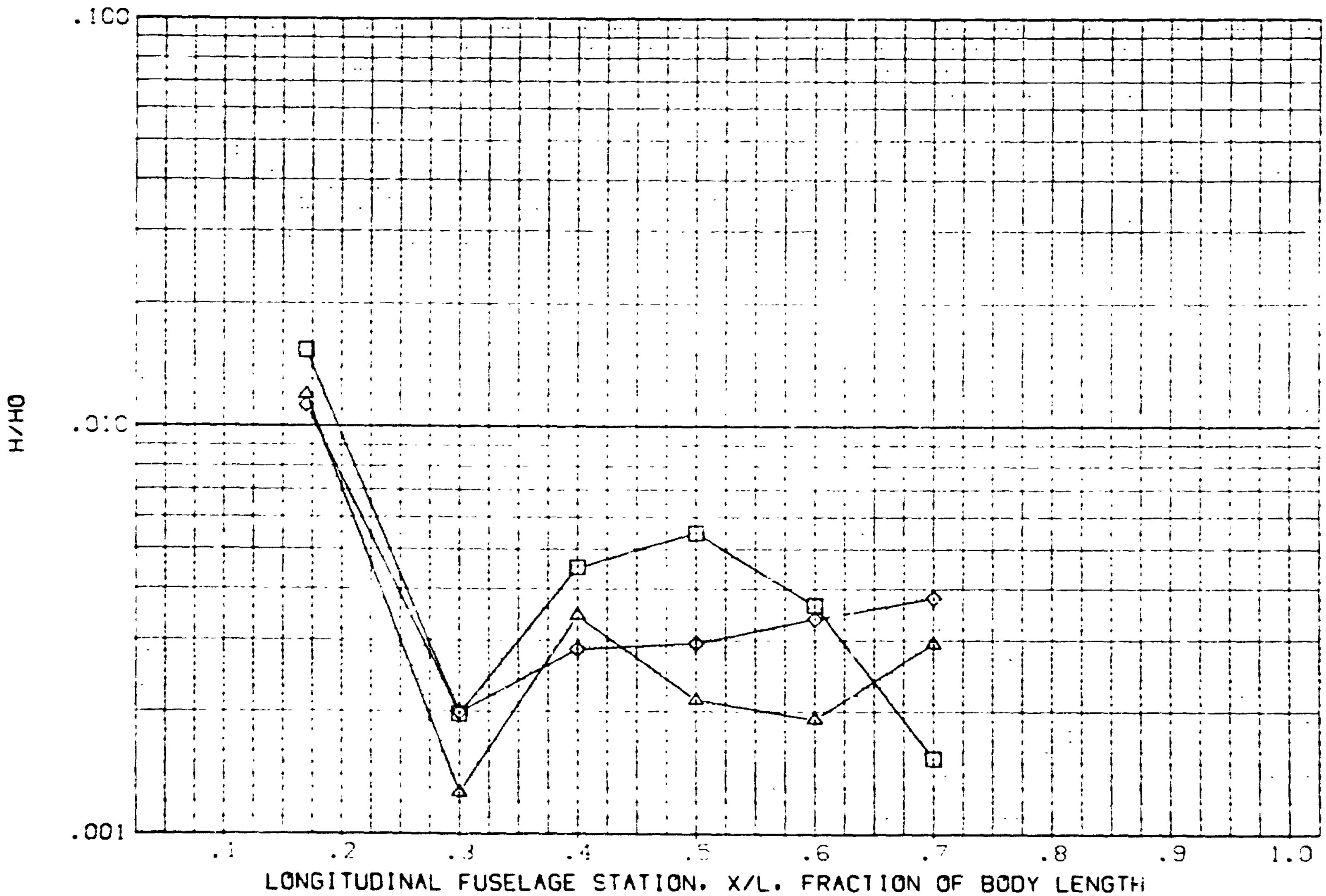


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT = .850 W.P. = 401.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	◻	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	◻	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

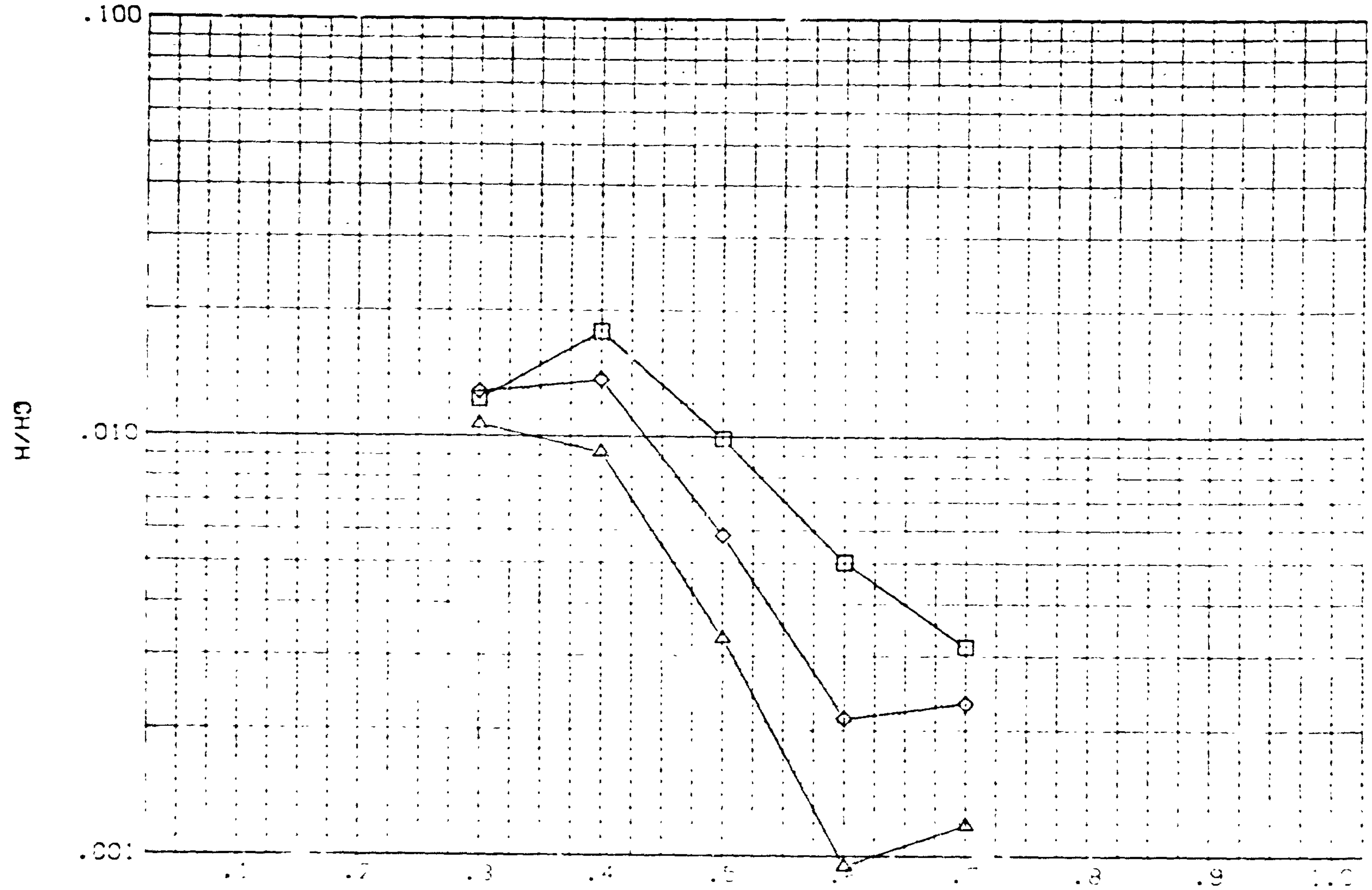


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION ALPHA BETA MACH

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RSLS02)		DATA NOT AVAILABLE	20.000	.000	8.000
(RSLS03)		OH14 B22CTFSM4V7 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RSLS04)		OH14 B22CTFSM4V7 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RSLS05)		OH14 B22CTFSM4V7 FUSELAGE UPPER SURFACE	35.000	.000	8.000

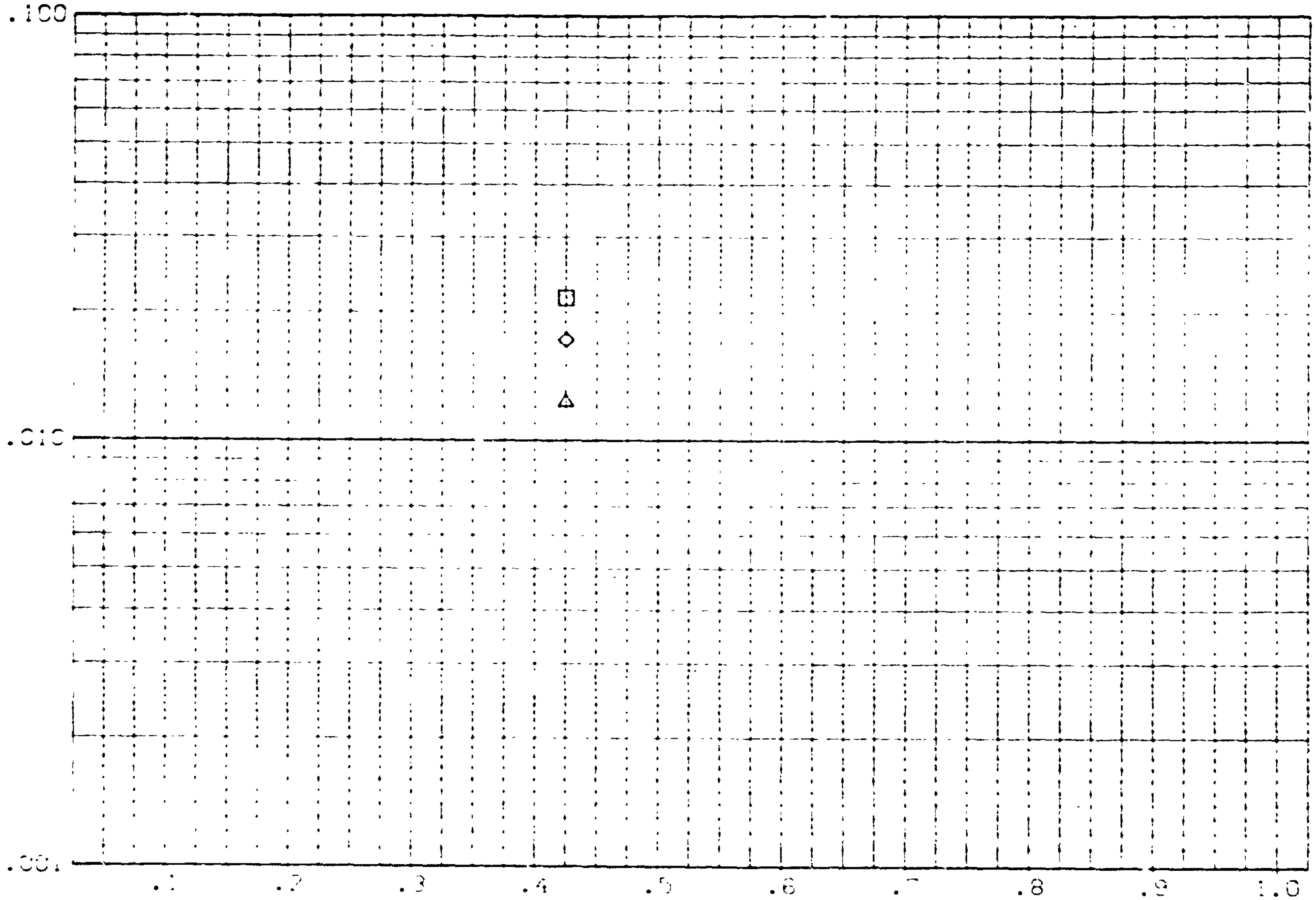


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 ... .000 ... 700.000

C.4

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

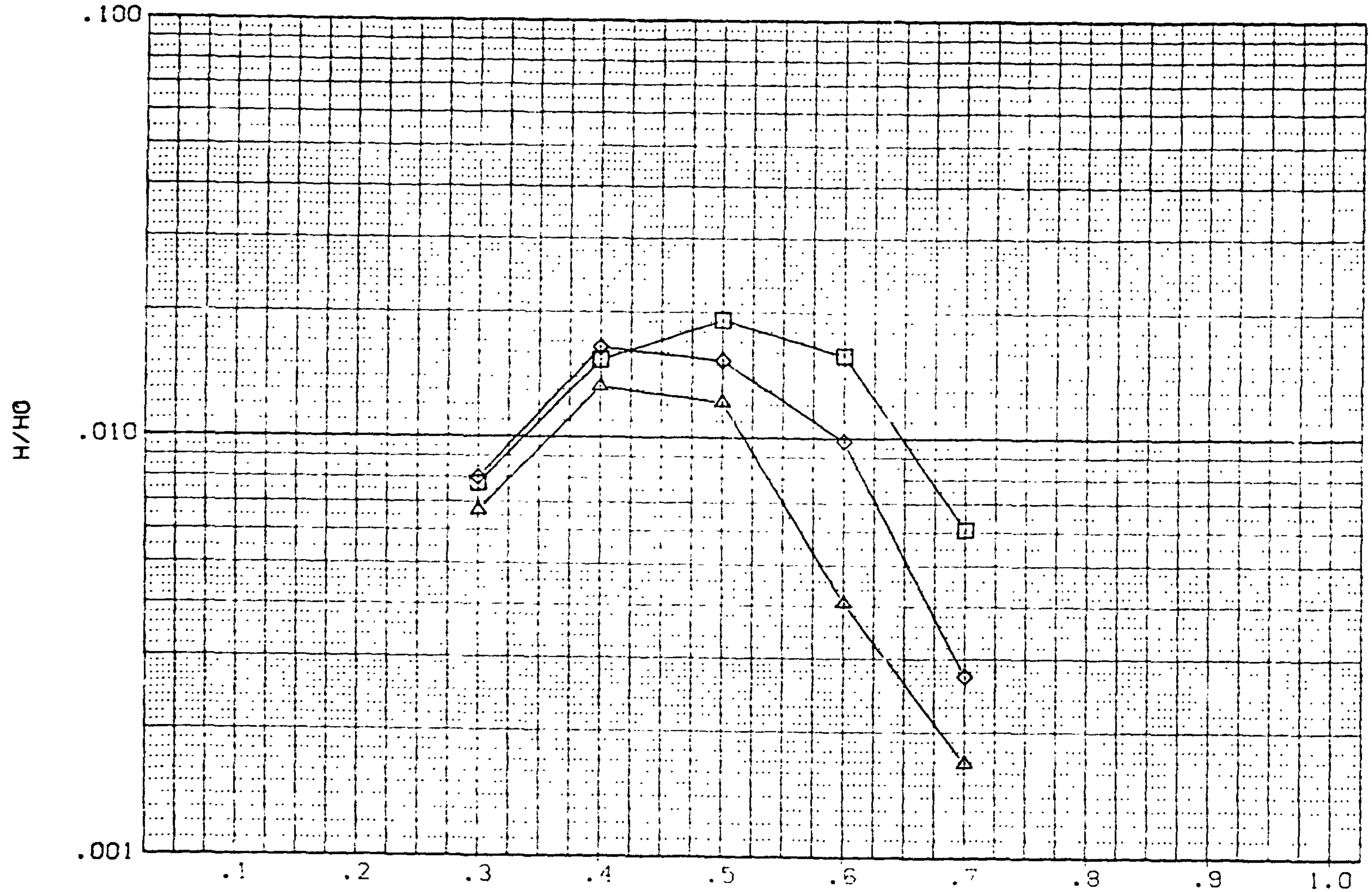


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT = .900 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

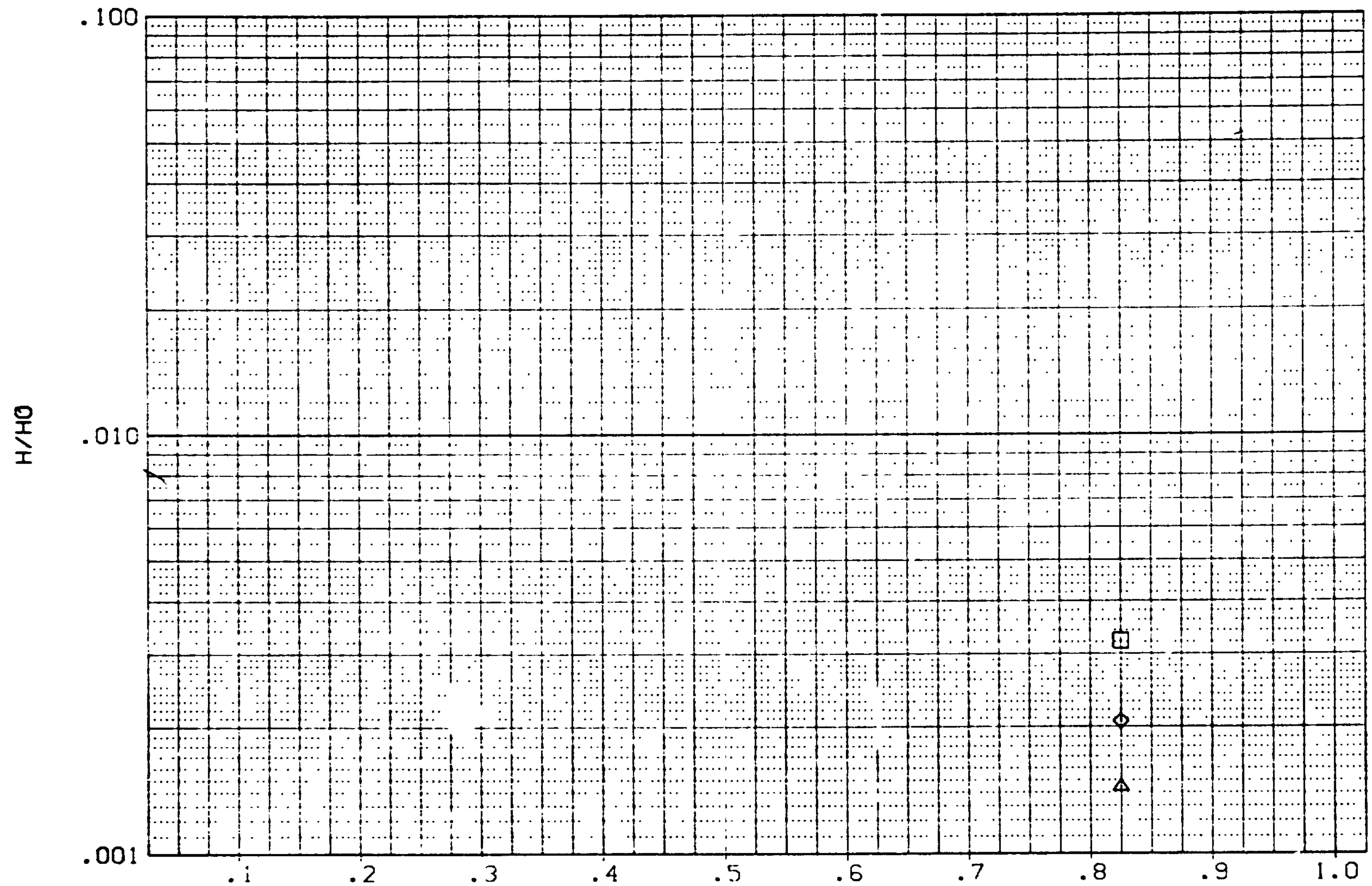


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT = .900 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

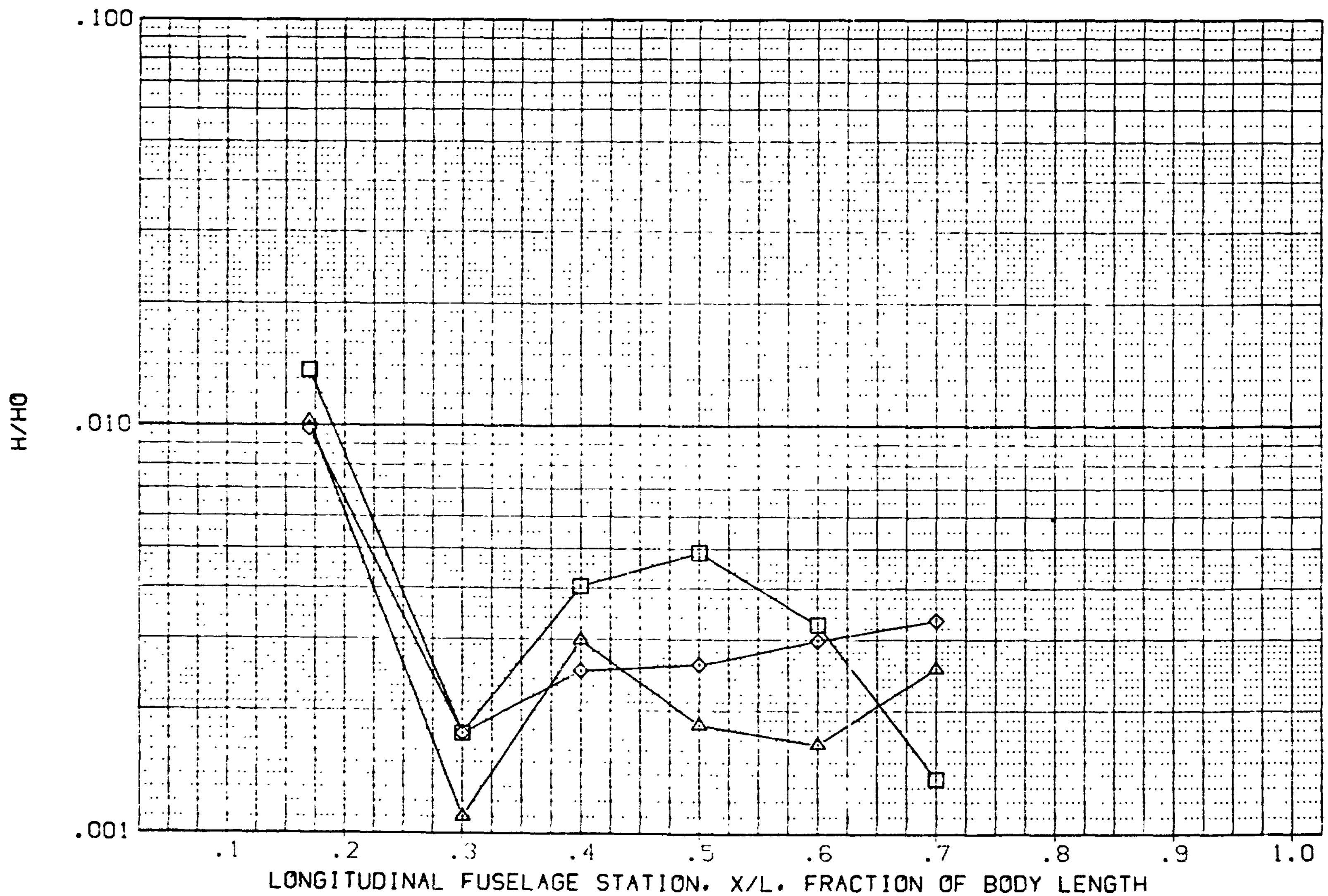


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 4.000 HAW/HT = .900 W.P. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

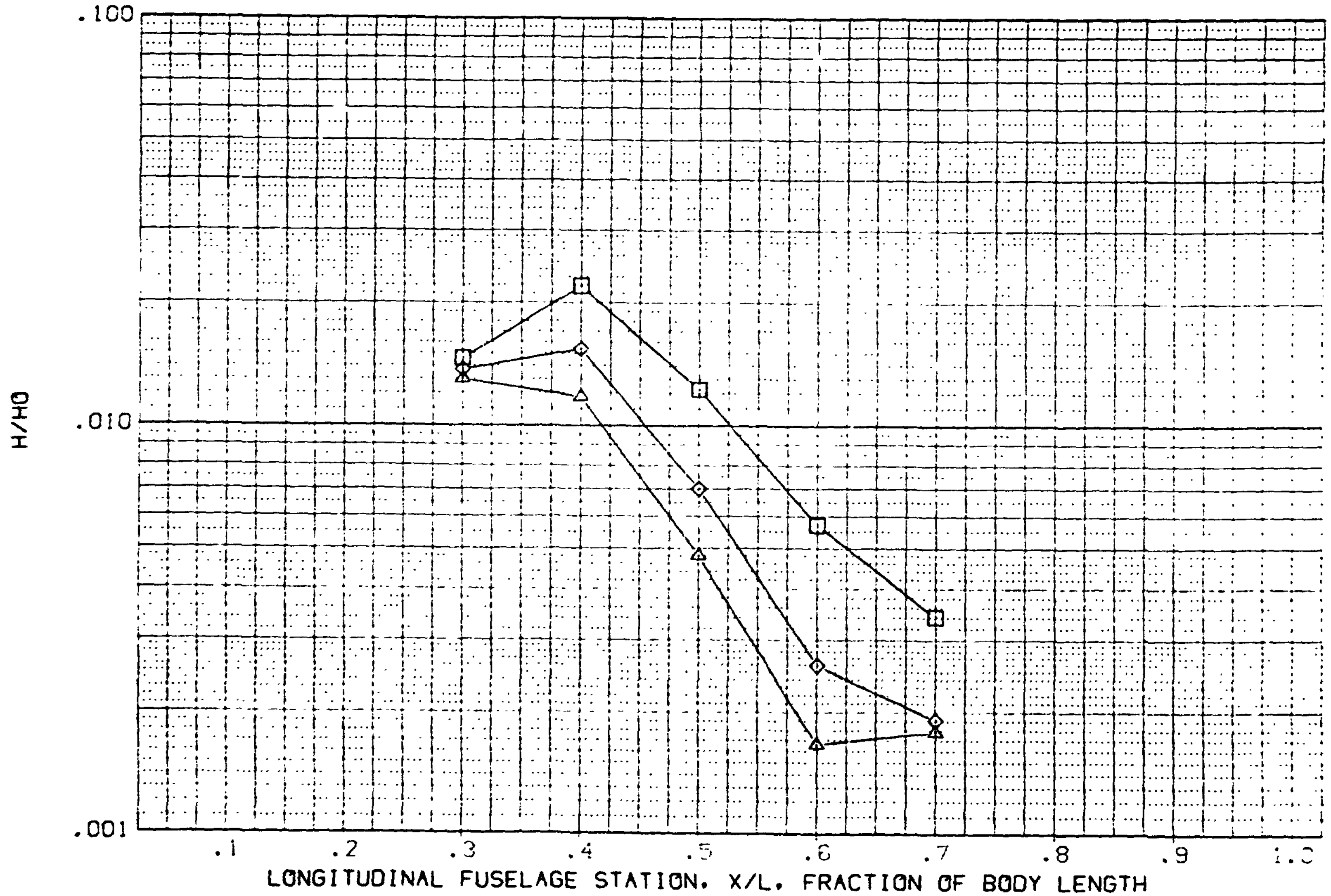


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT = .850 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W!!! FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W!!! FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W!!! FUSELAGE UPPER SURFACE	35.000	.000	8.000

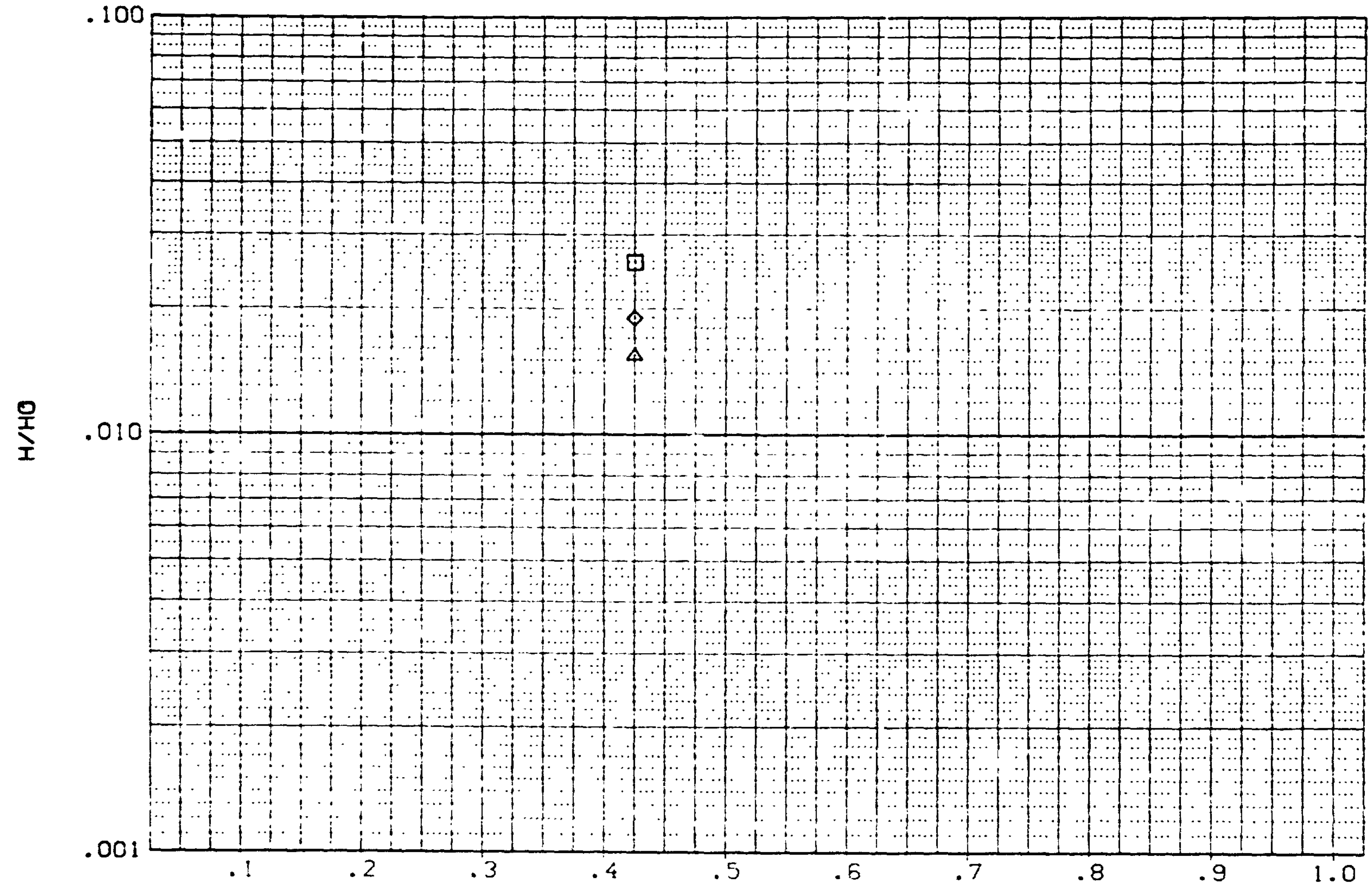


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAA/HT = .850 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4.7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

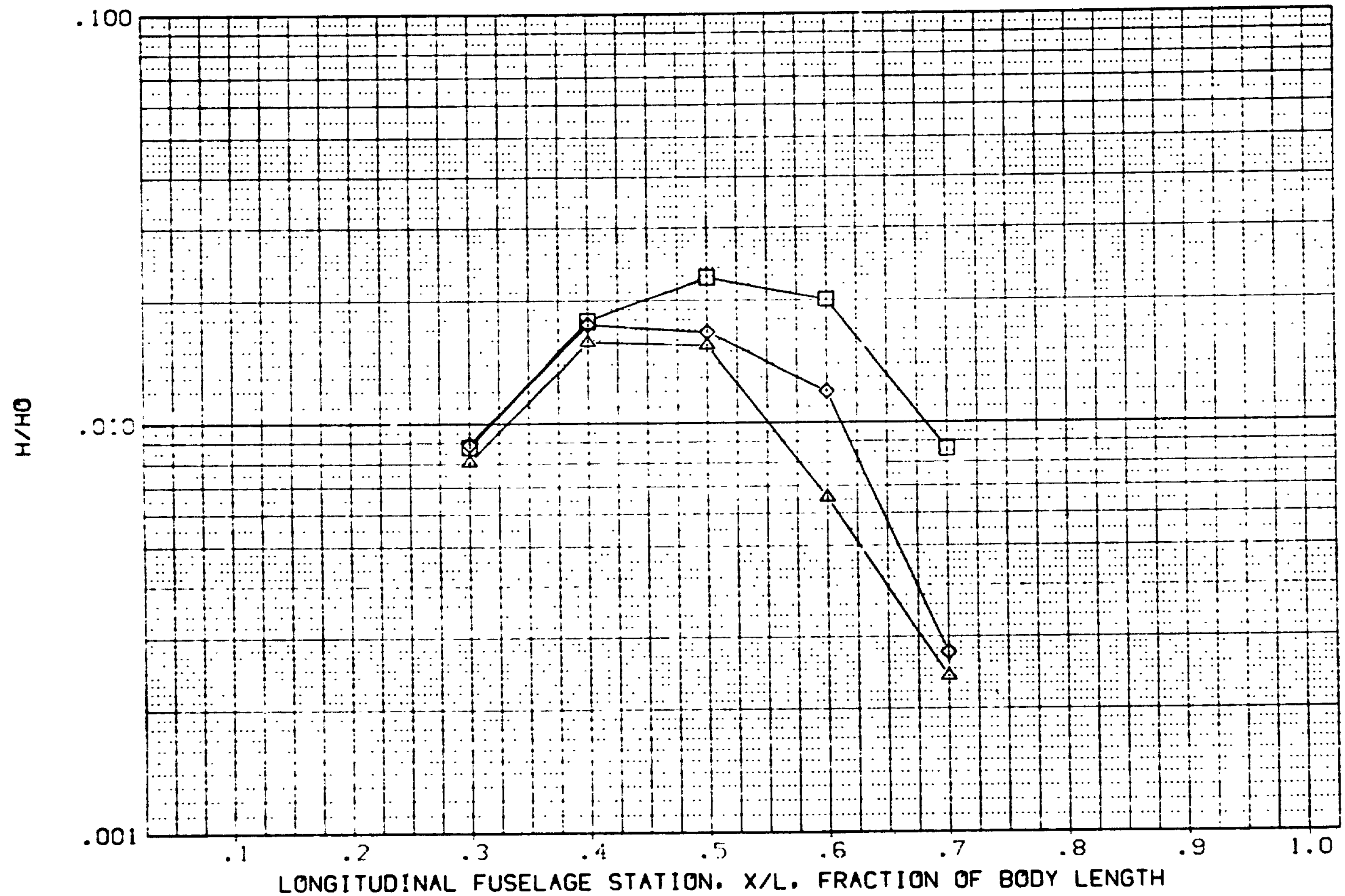


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT = .850 X.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSO2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLSO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

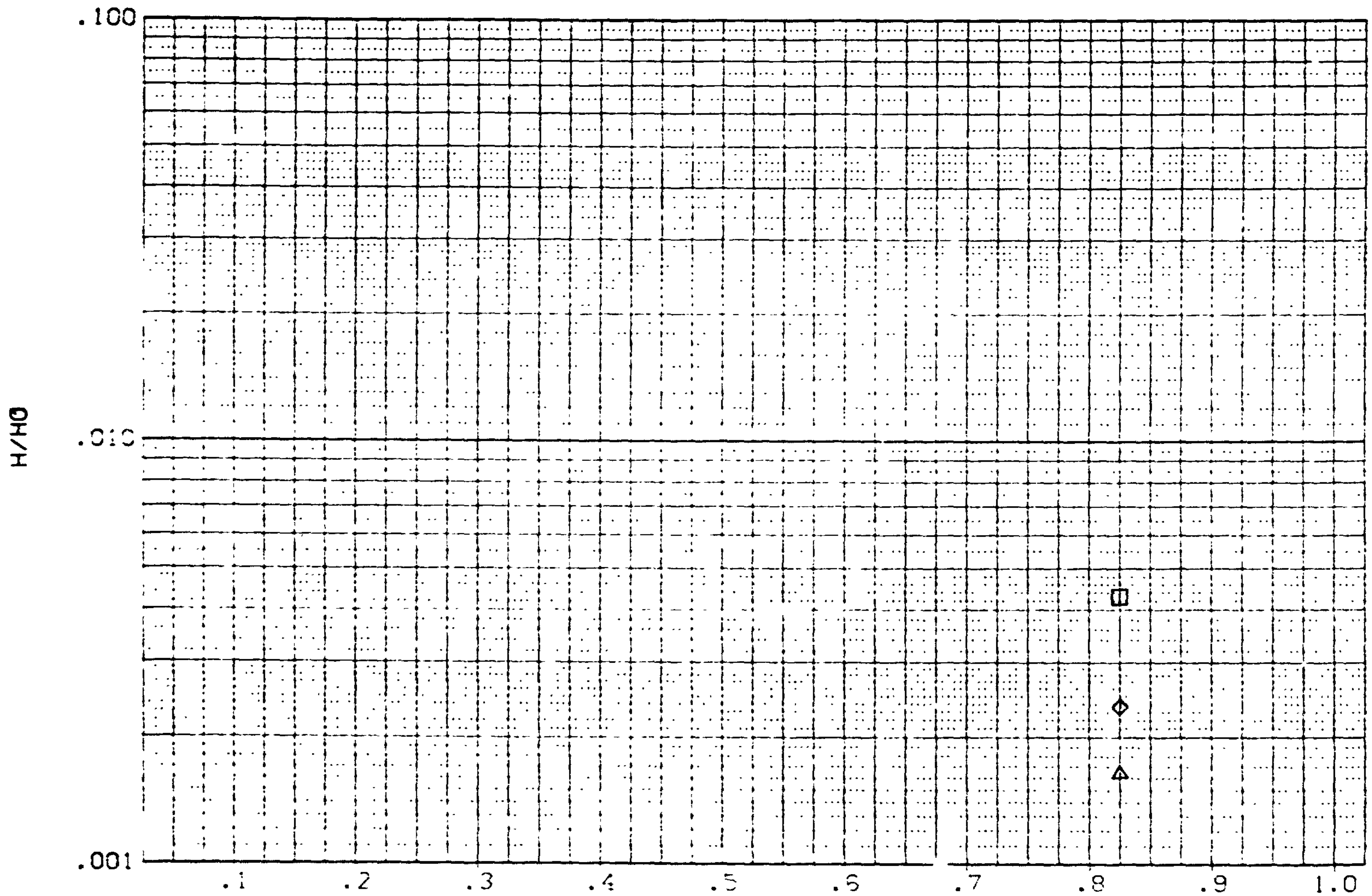


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT = .850 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLSC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RCLSC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RCLSC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RCLSC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

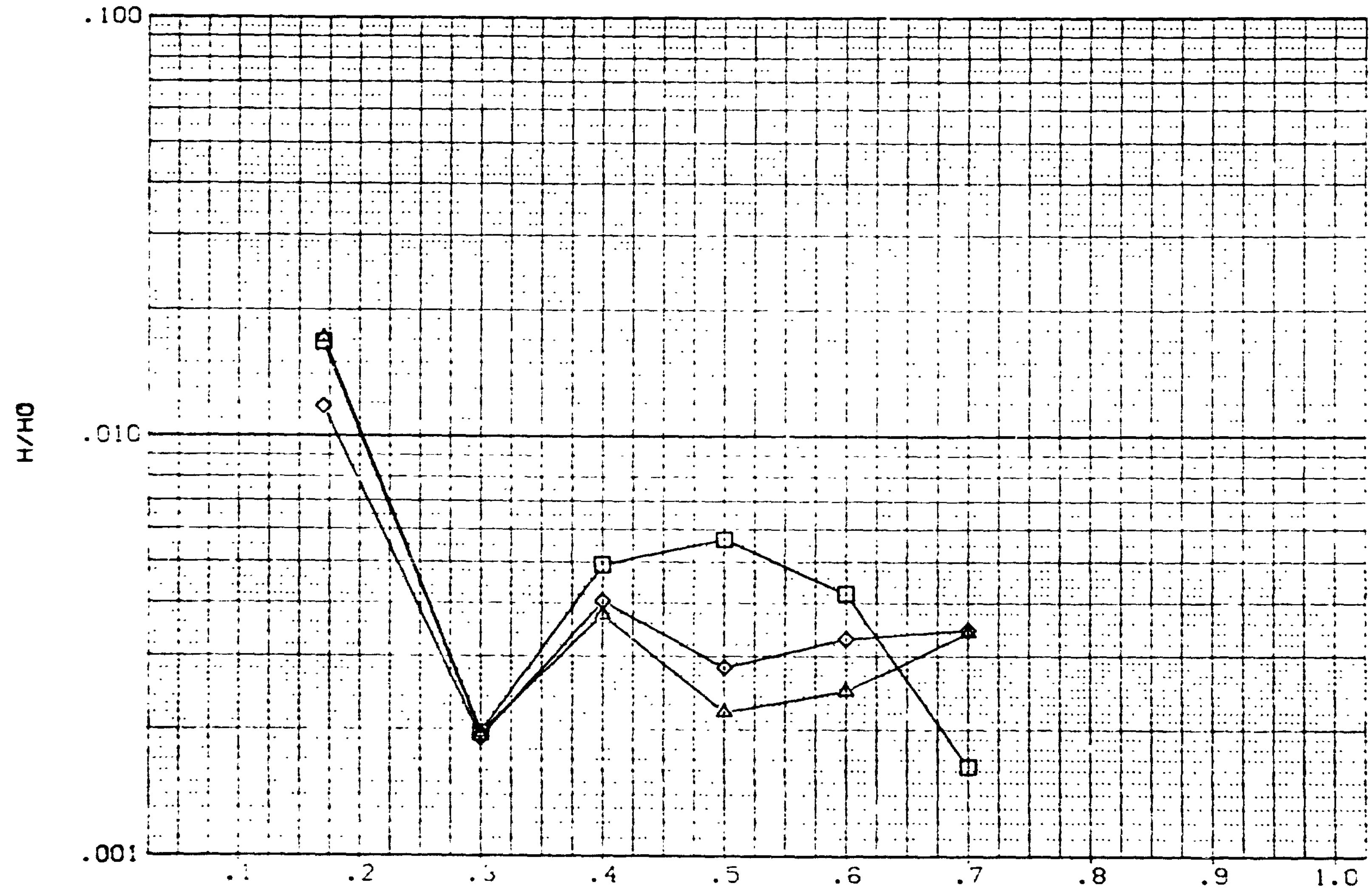


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT - .850 W.P. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

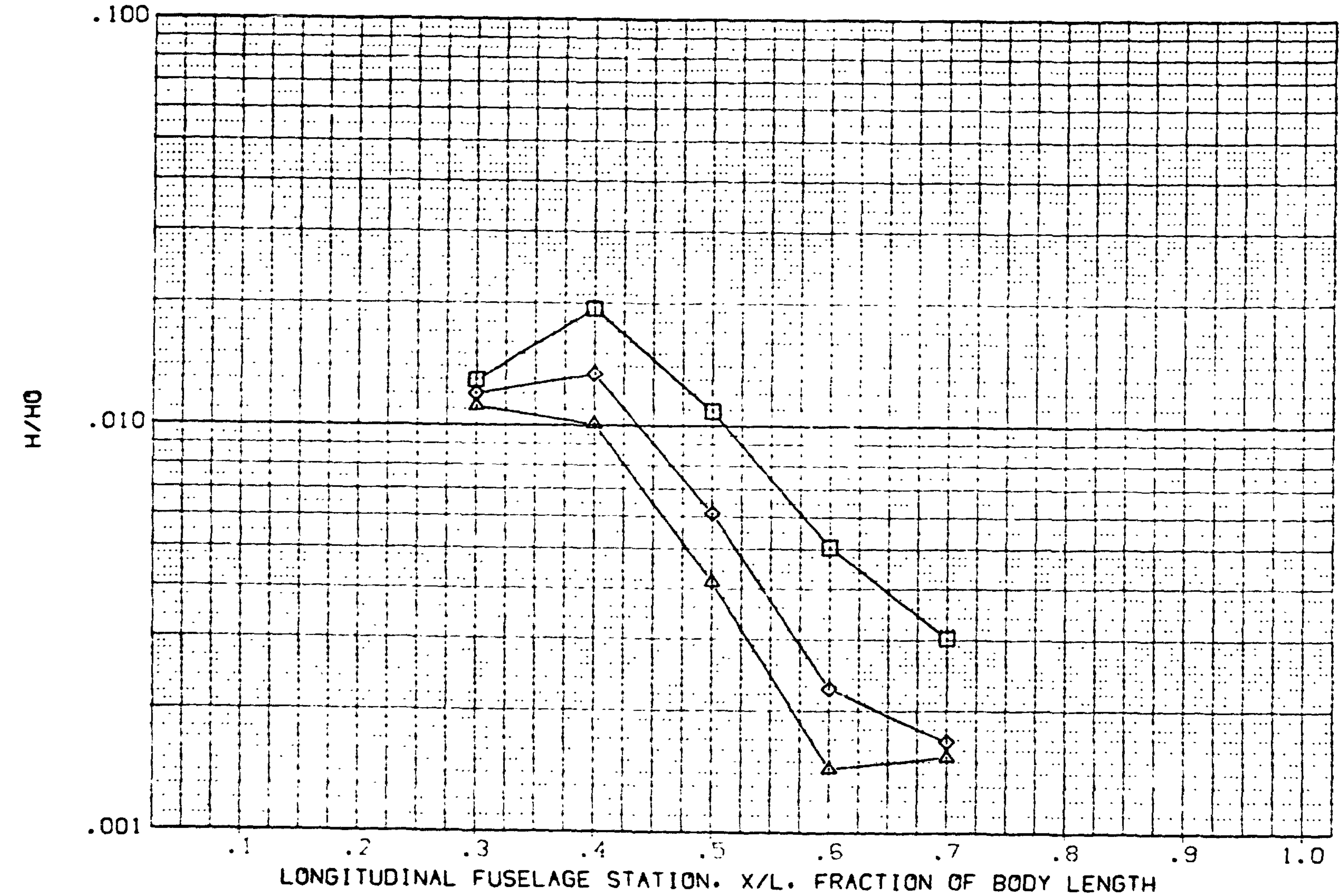


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT = .900 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

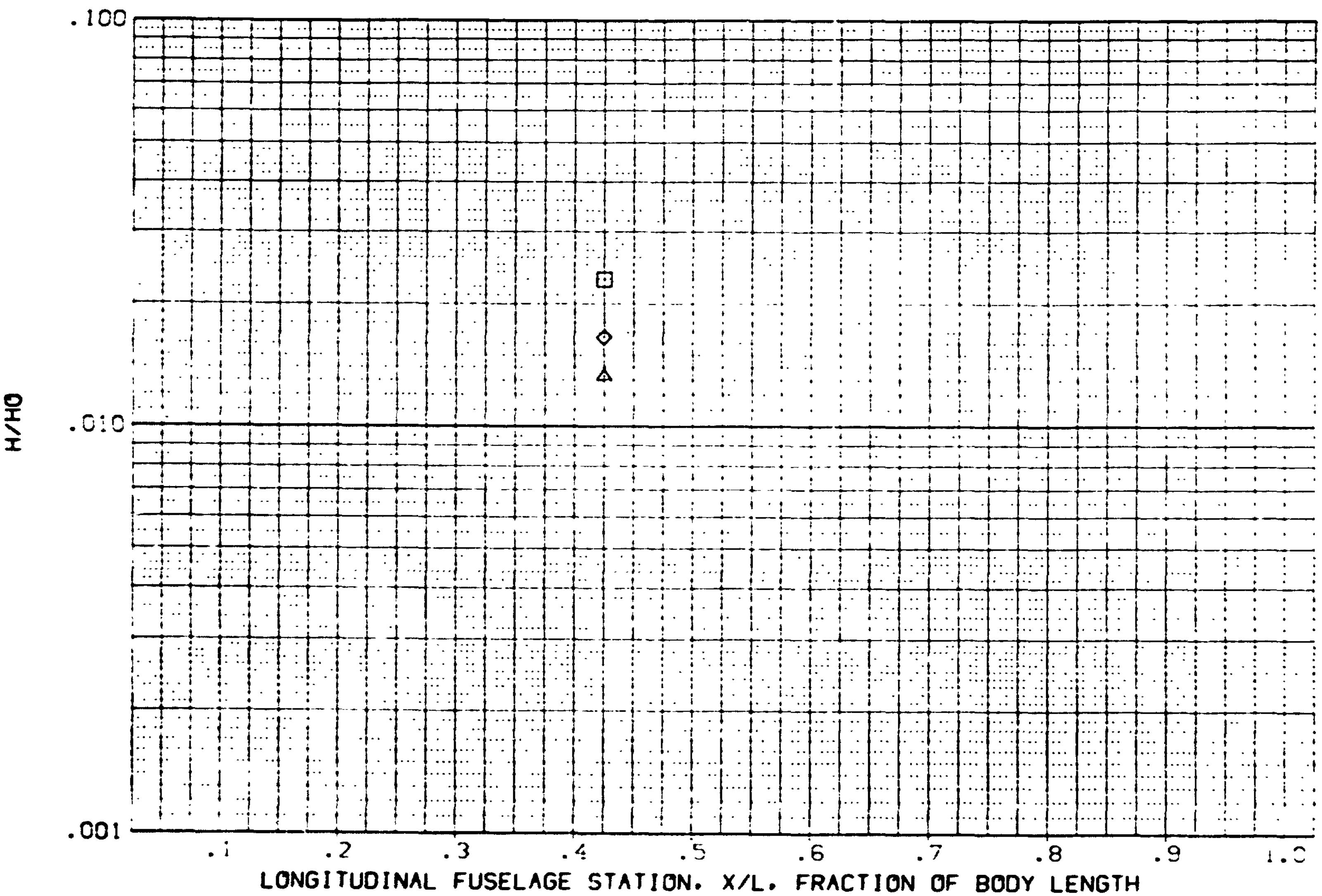
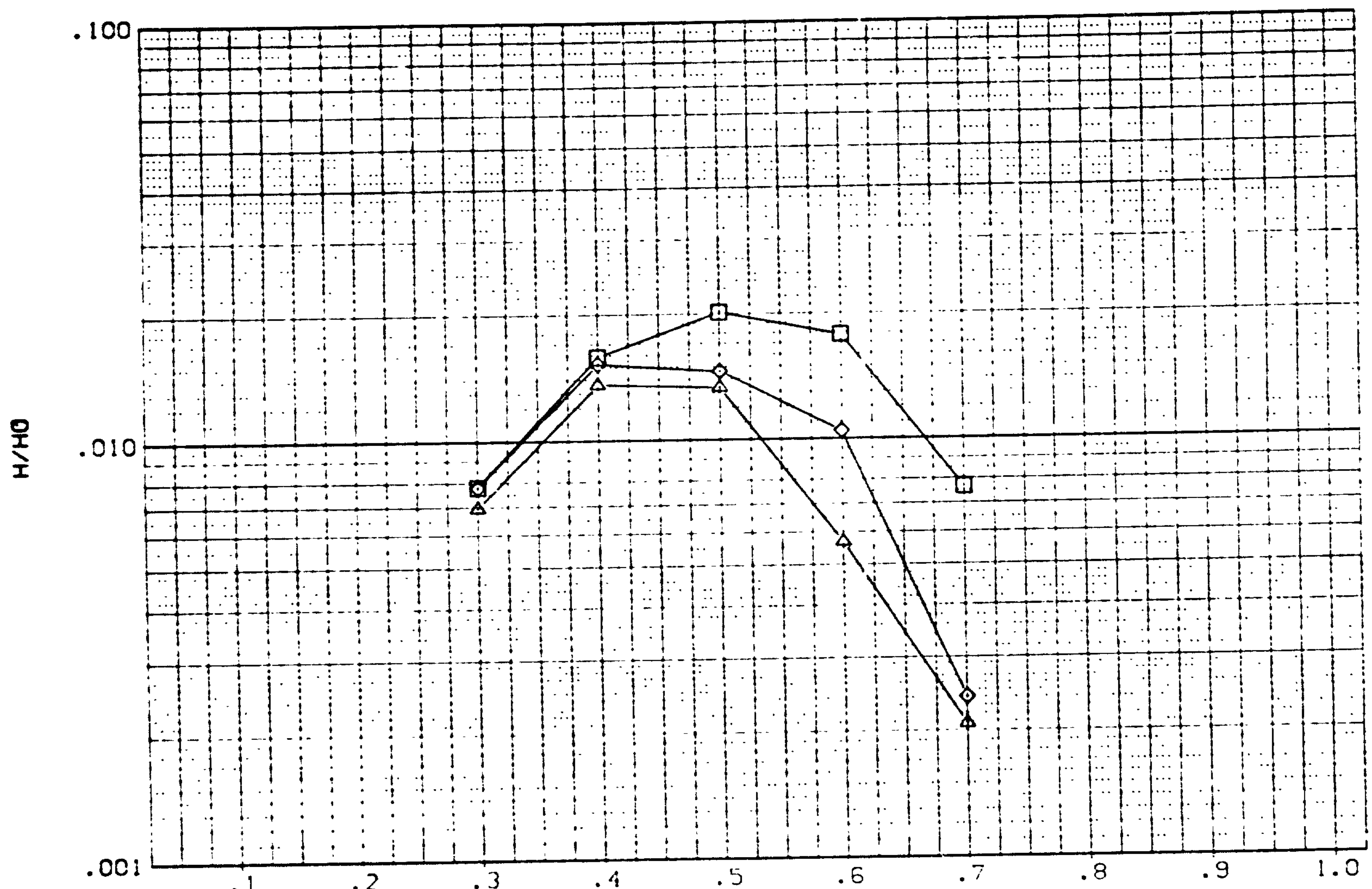


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT = .900 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH11 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 .900 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

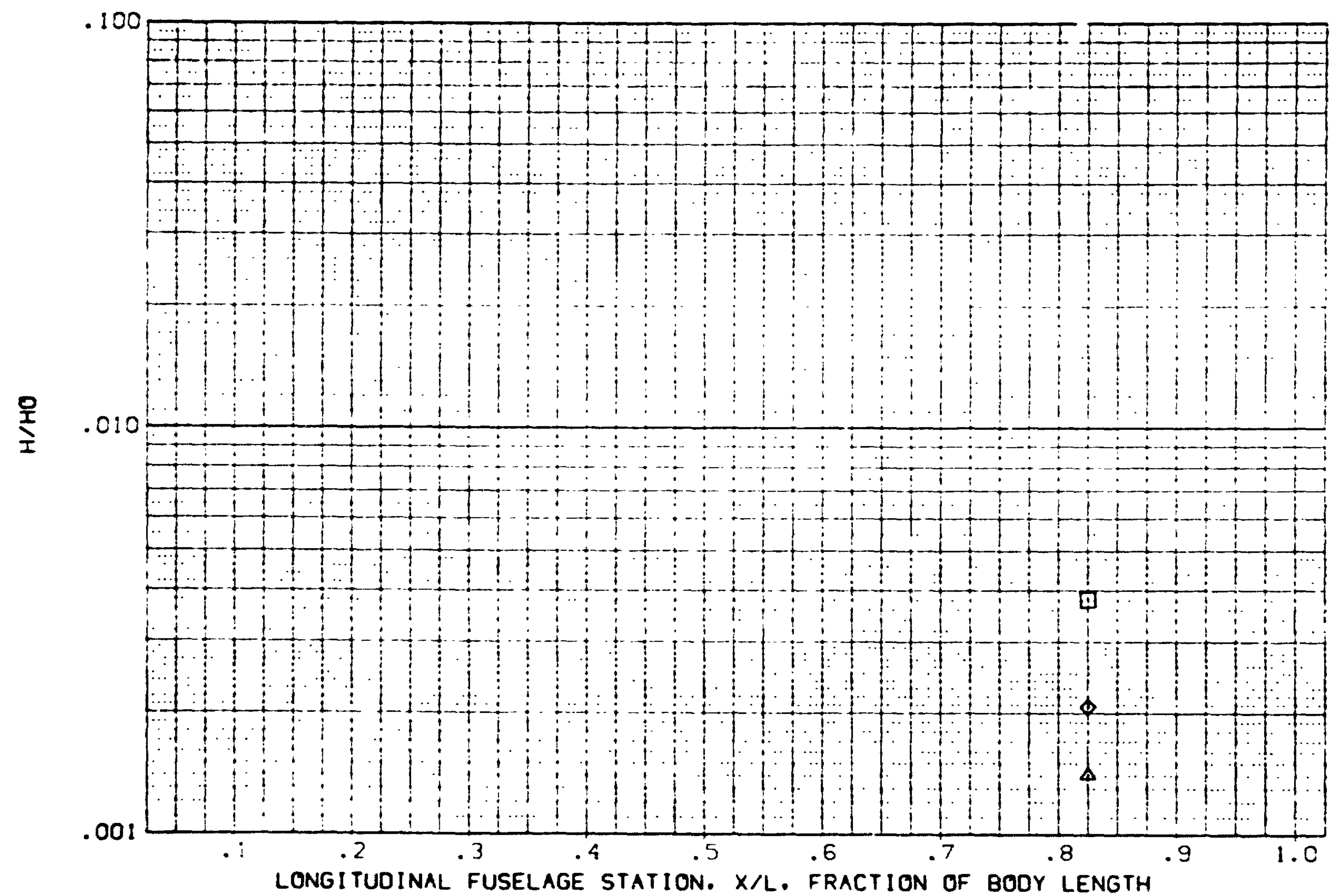


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HI = .900 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

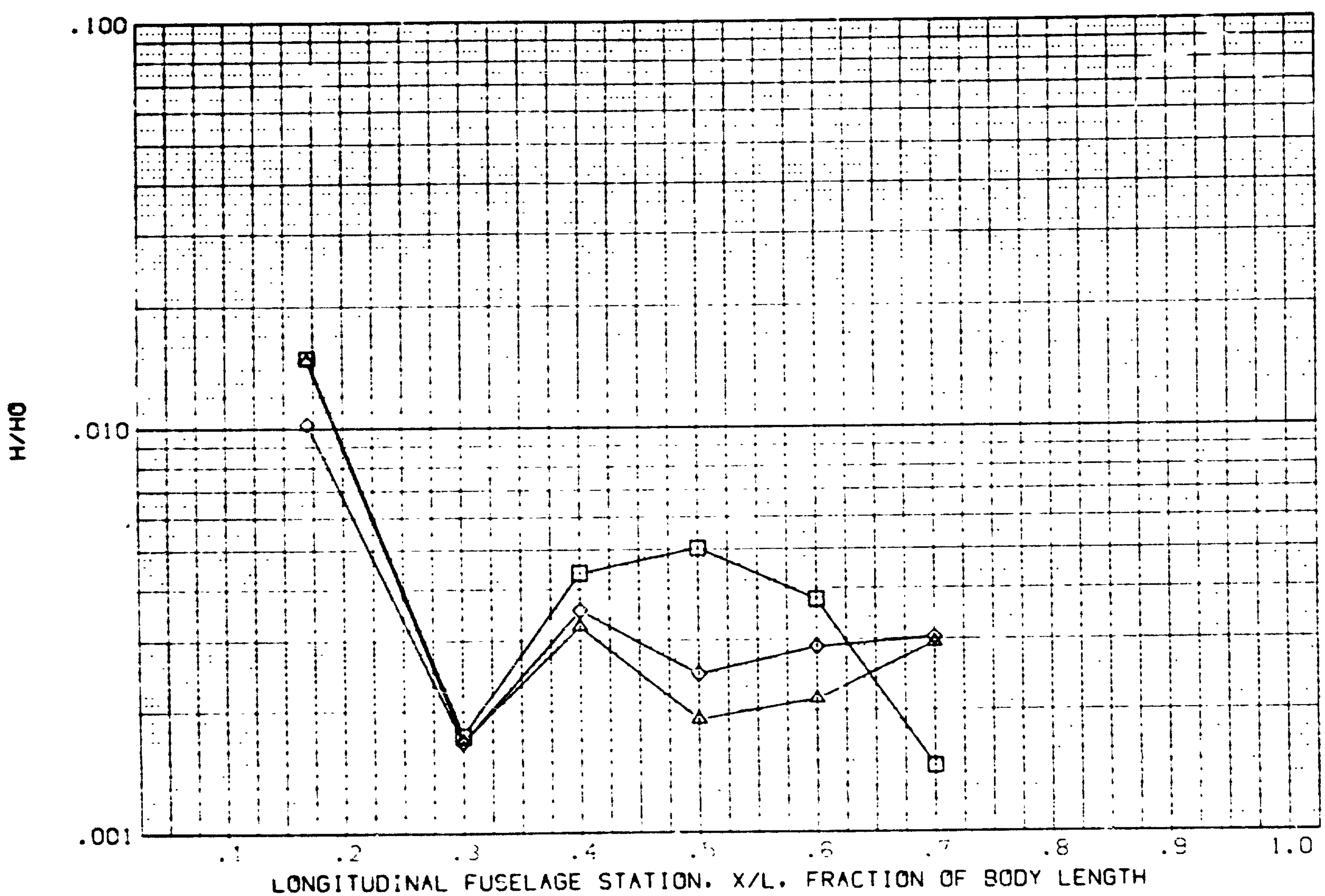


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 5.000 HAW/HT = .000 A.P. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RGLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RGLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RGLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RGLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

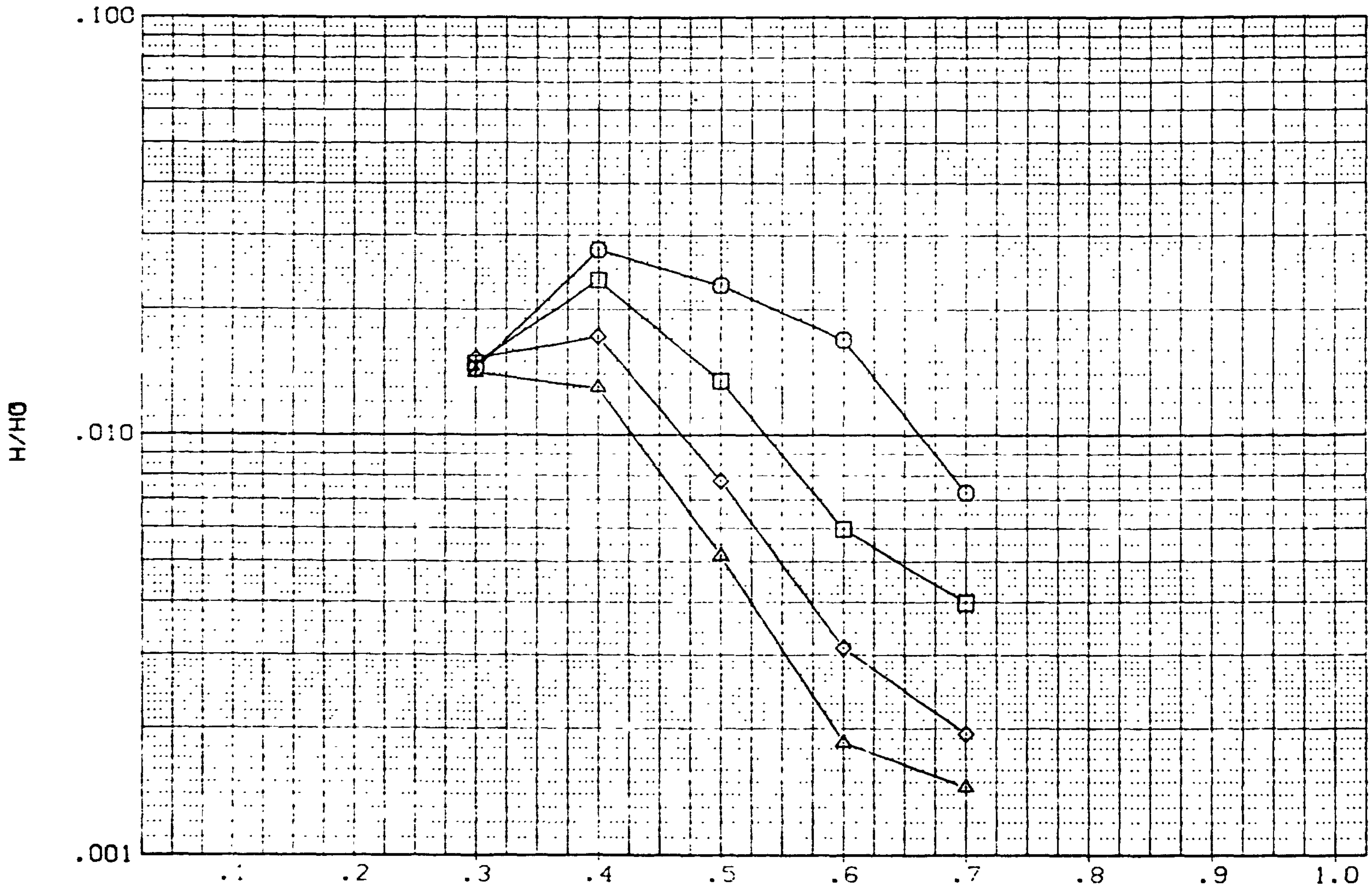


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .850 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

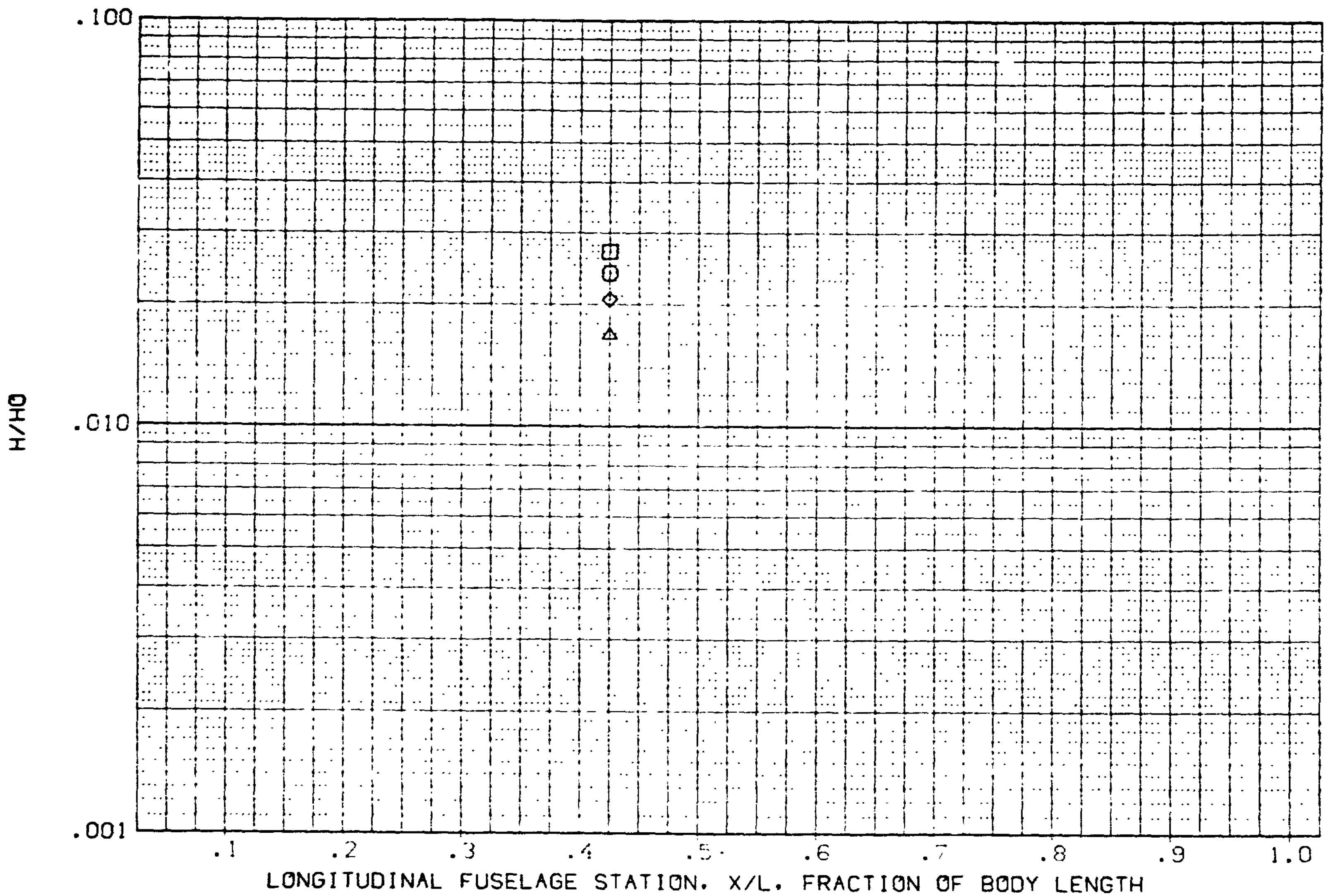


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .850 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4.7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

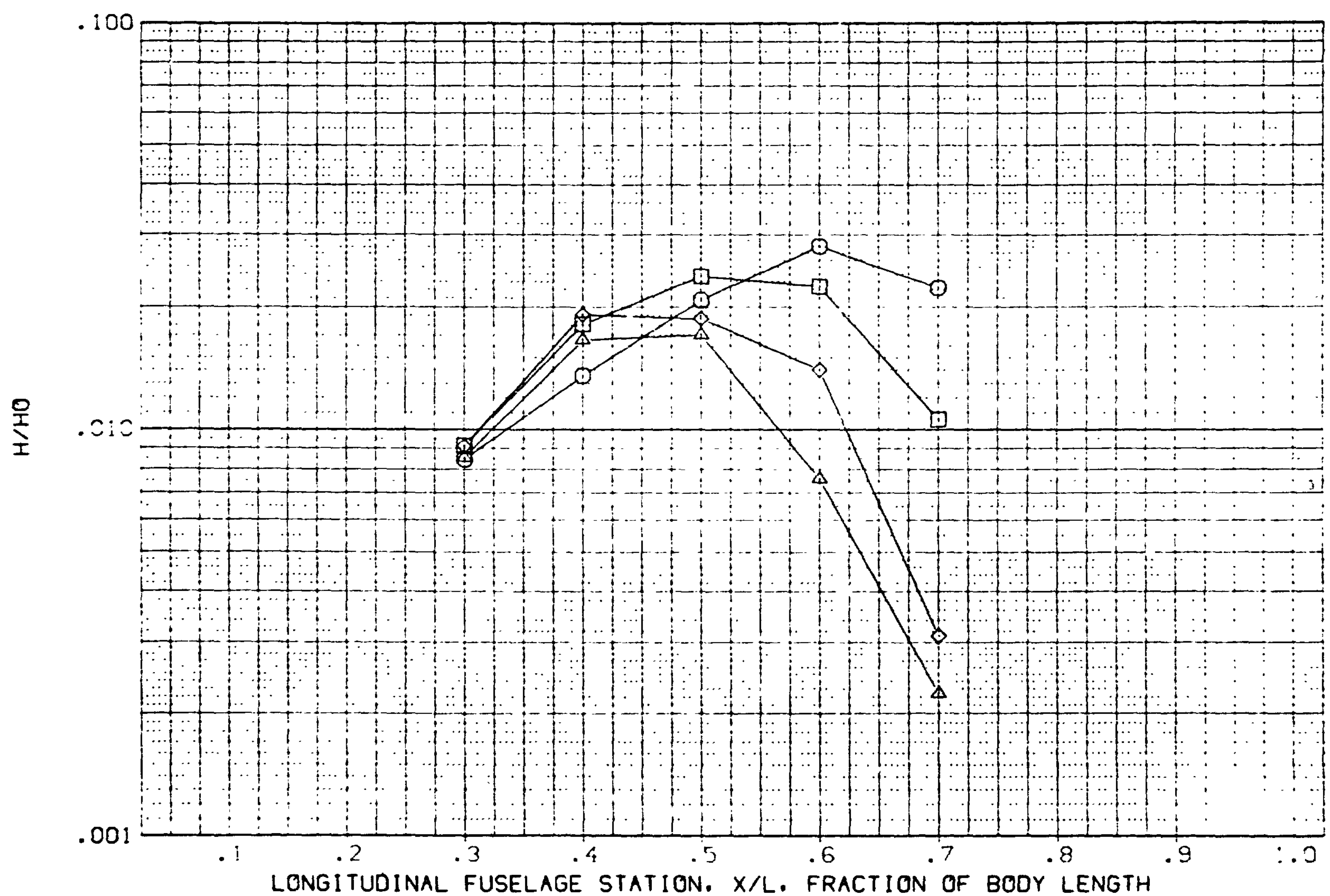


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .850 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

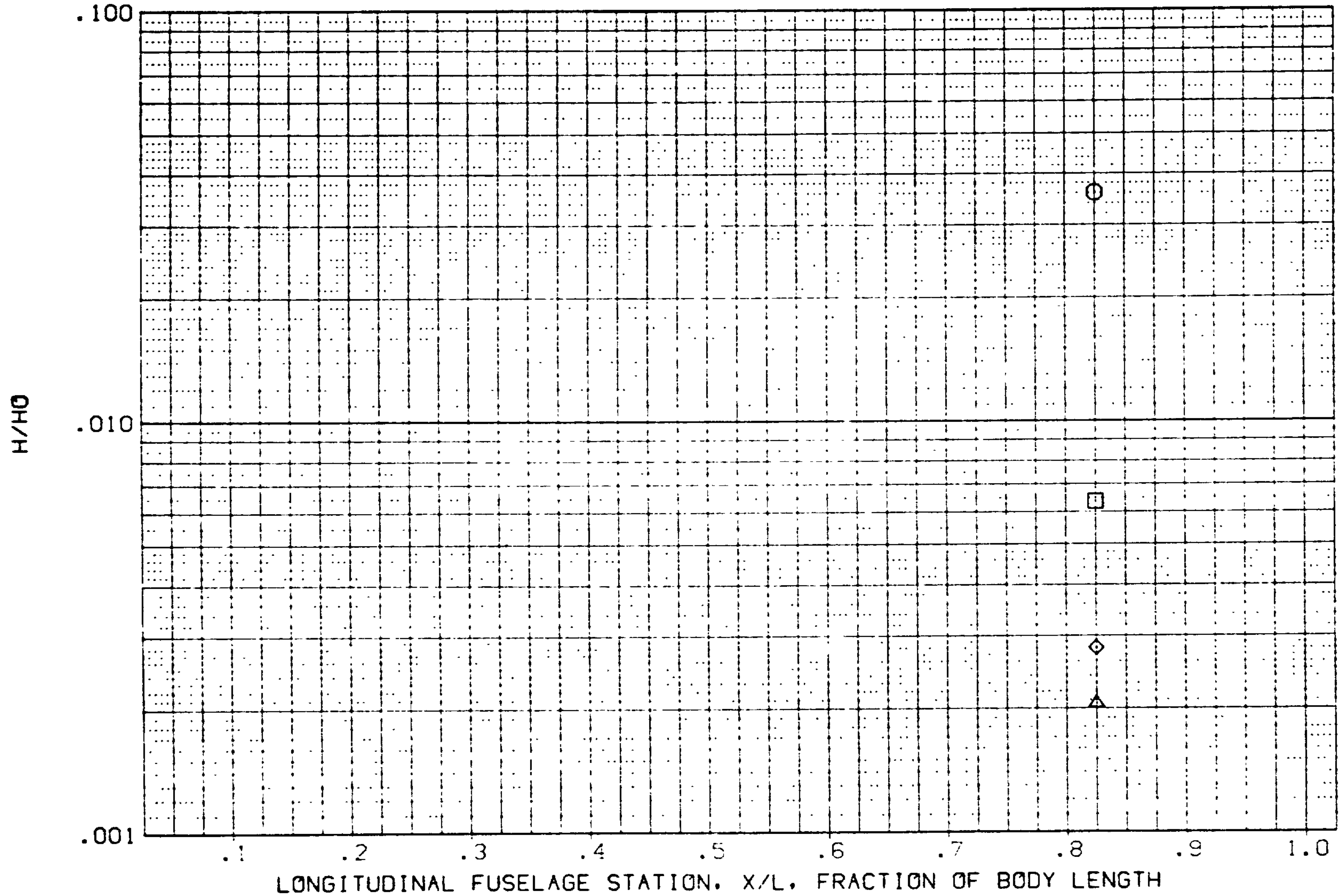


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .850 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

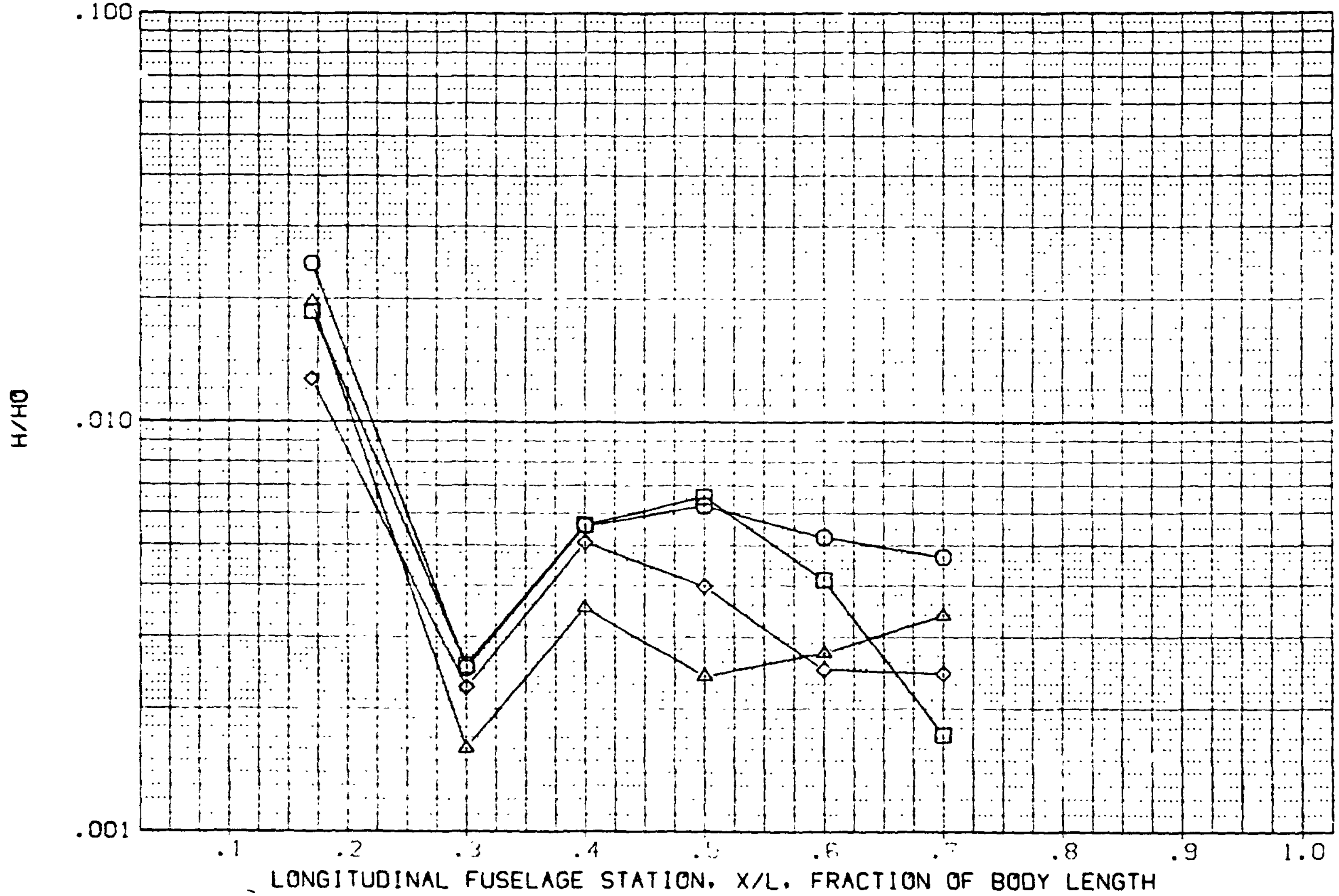


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .850 W.P. - 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

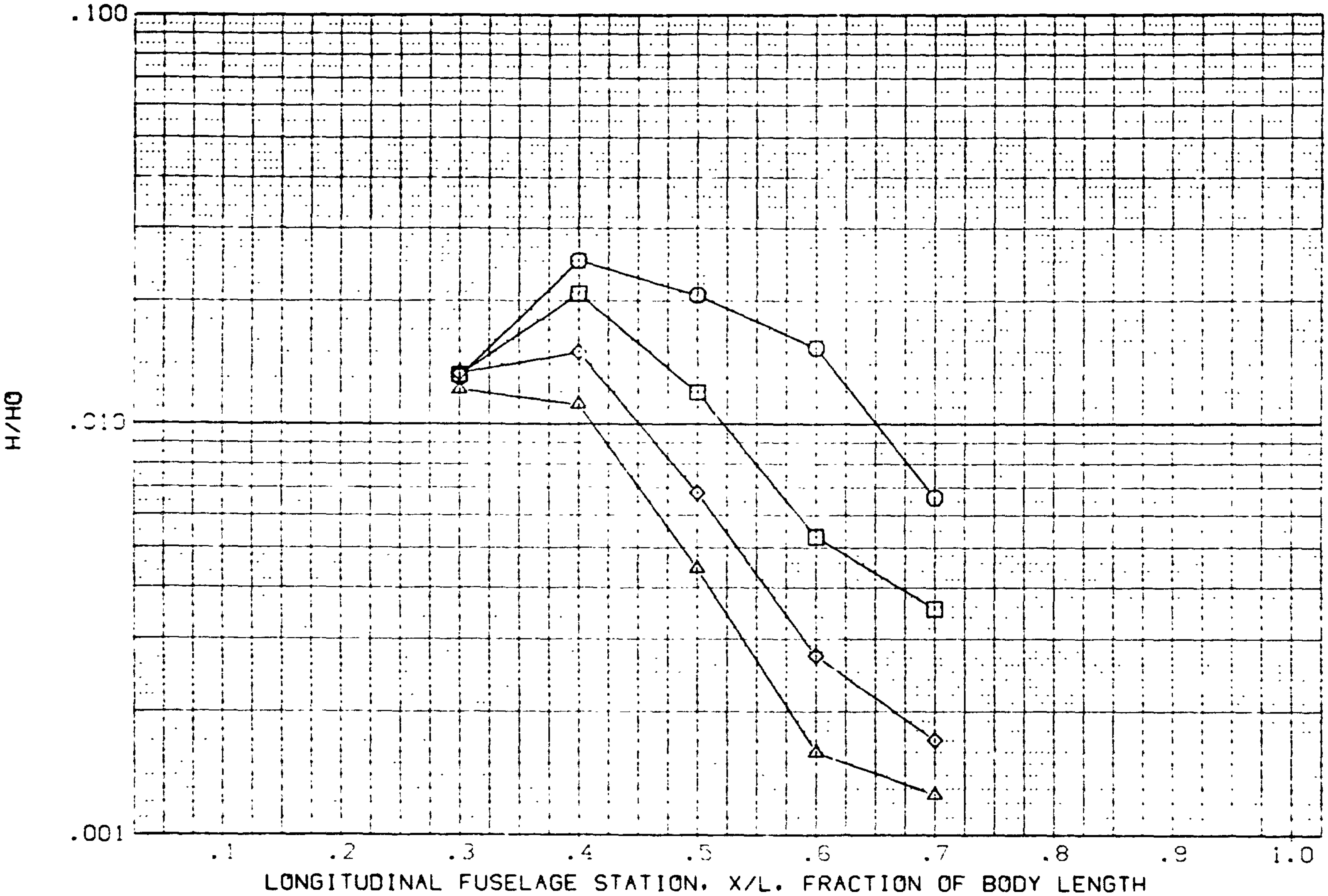


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .900 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

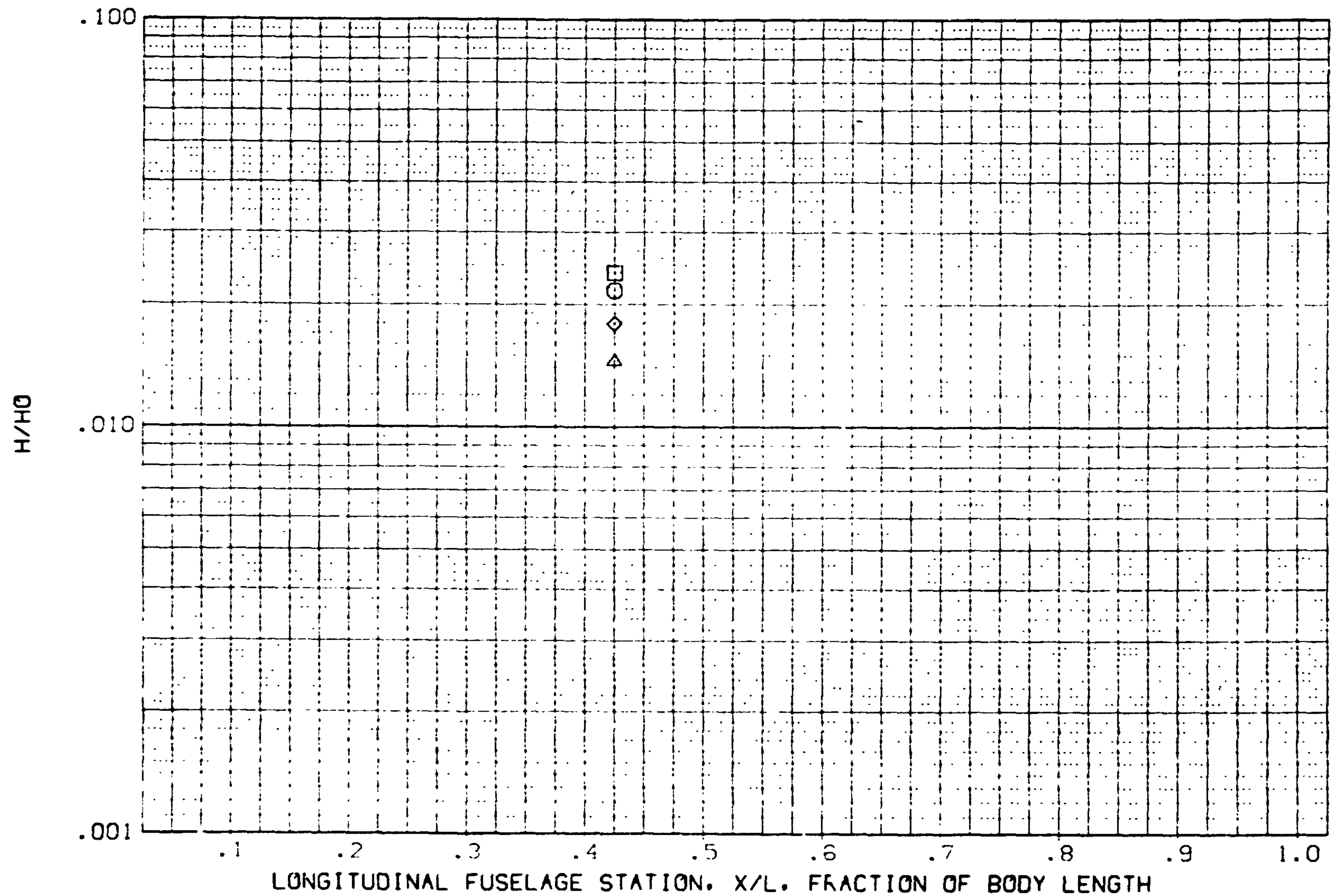


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

R'/L = 6.000 HAW/HT = .900 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B2..F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

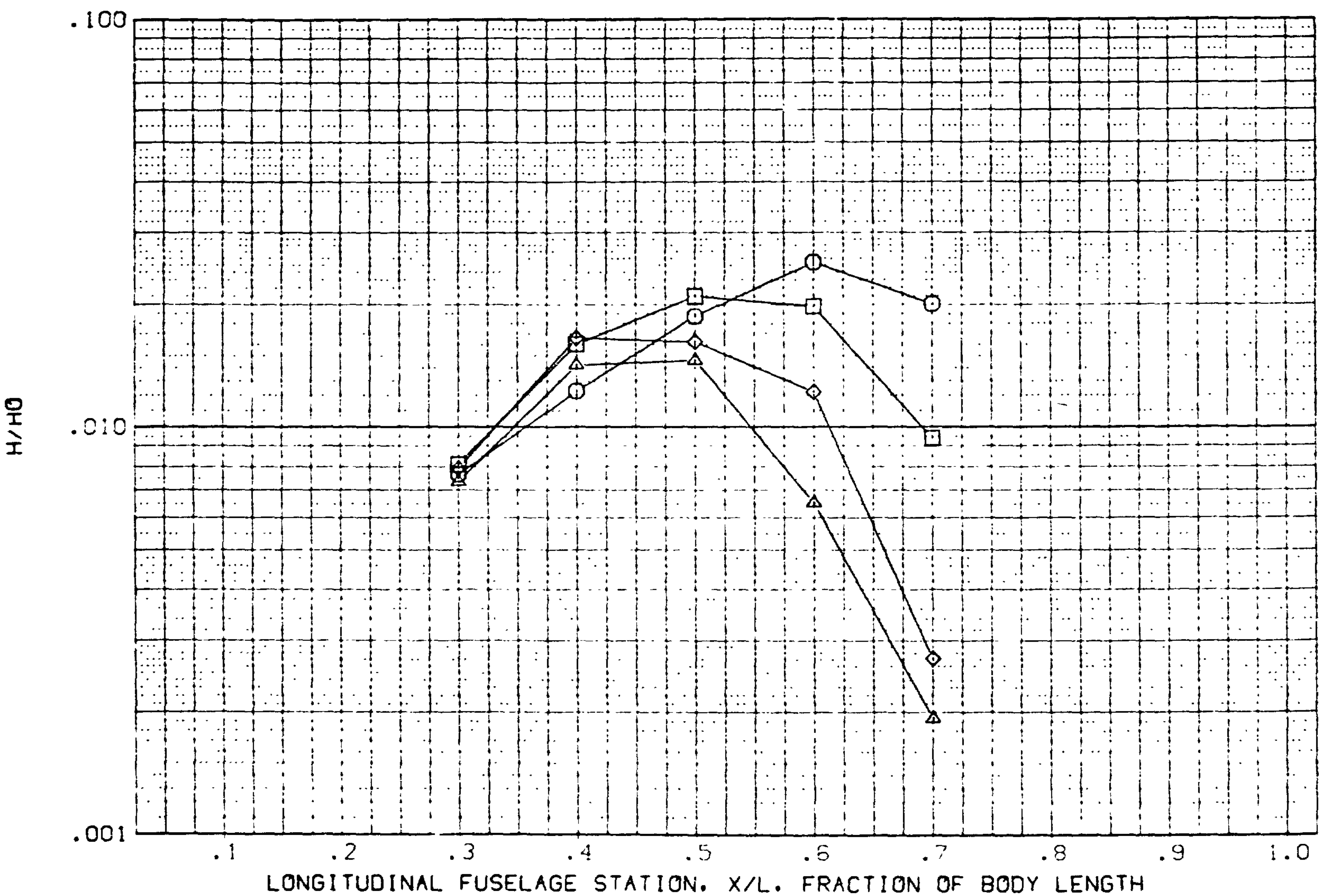
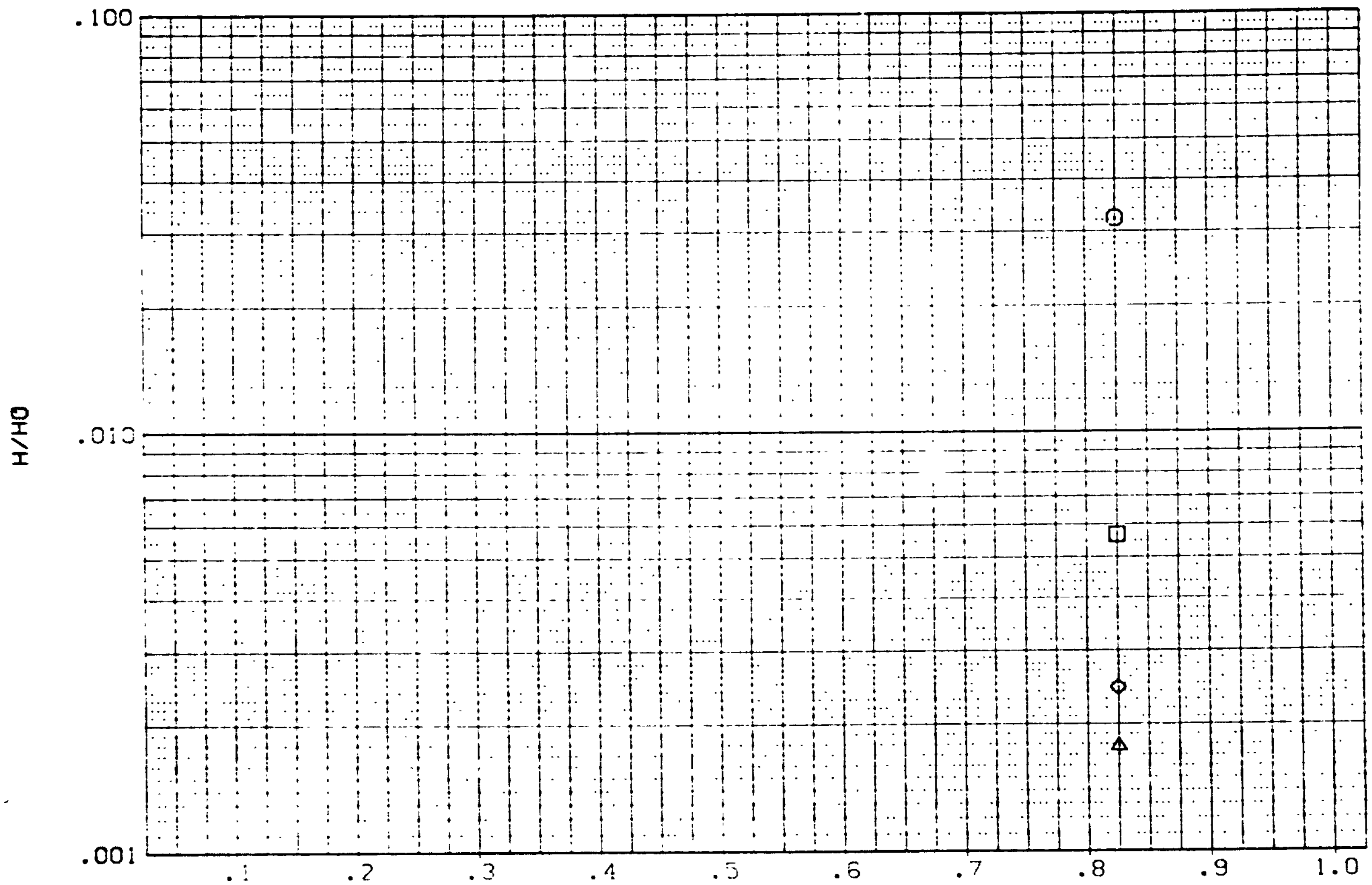


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .900 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION. X/L. FRACTION OF BODY LENGTH

FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .900 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSC2)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSC3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSC4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSC5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

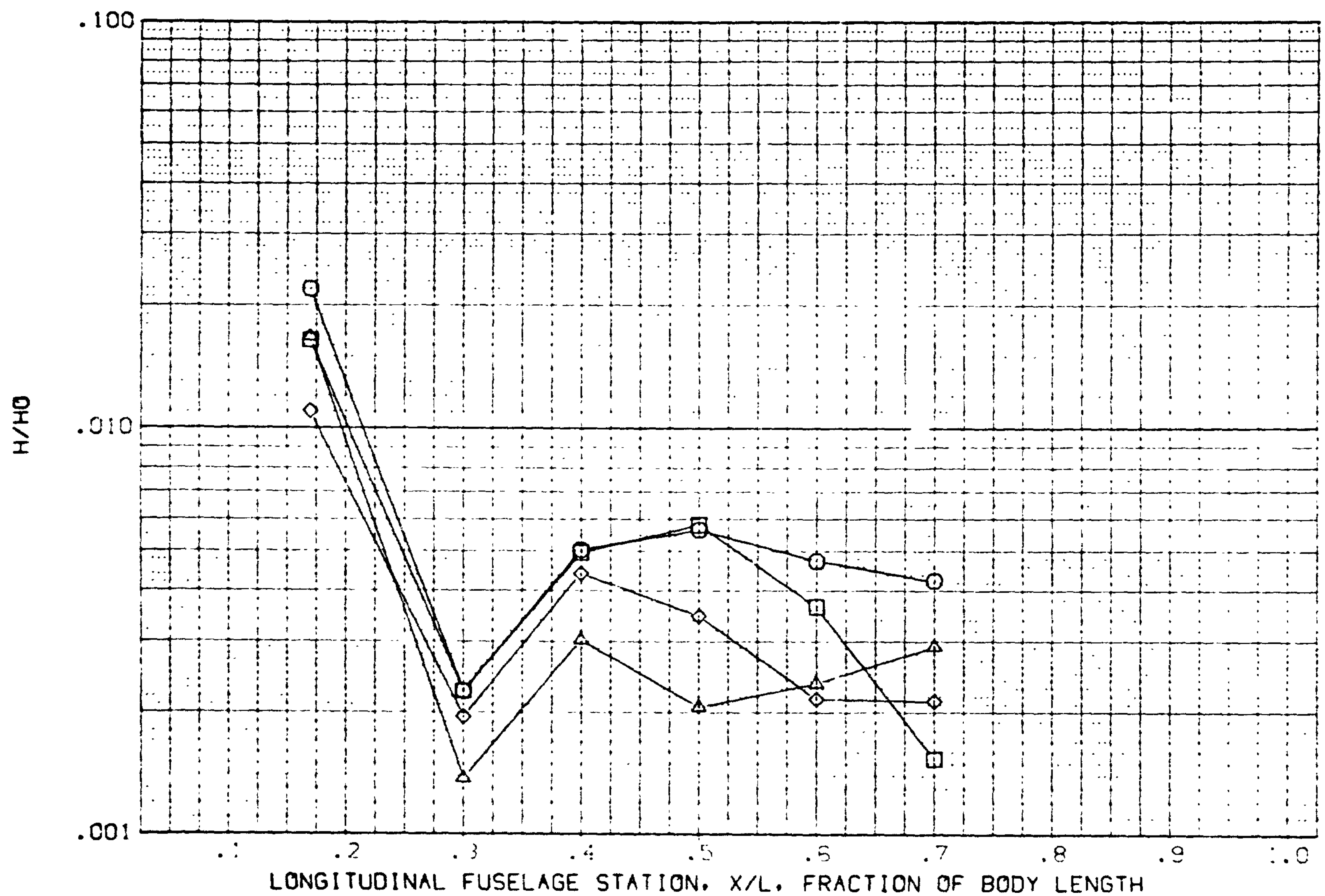


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 6.000 HAW/HT = .900 R.P. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

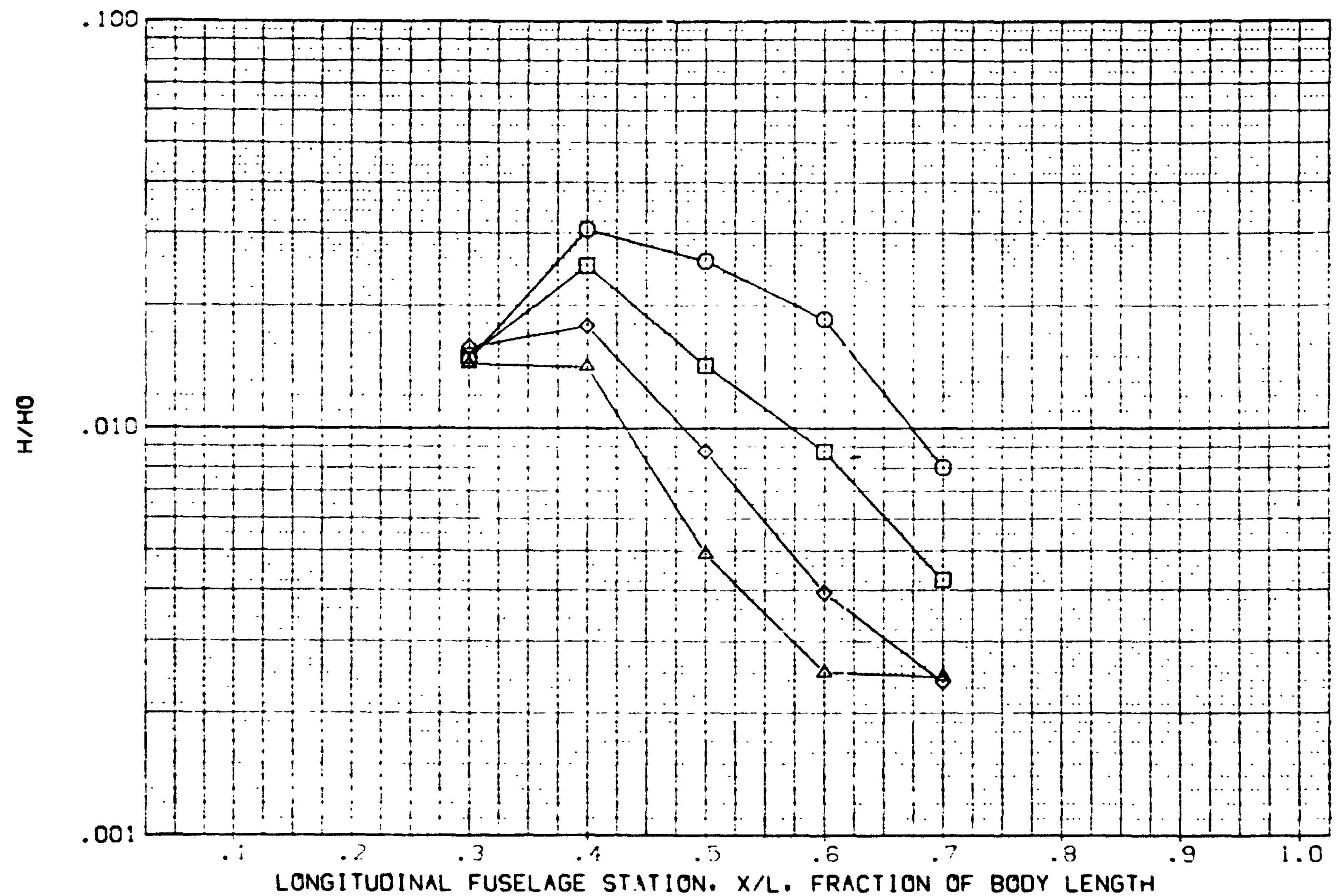


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .850 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

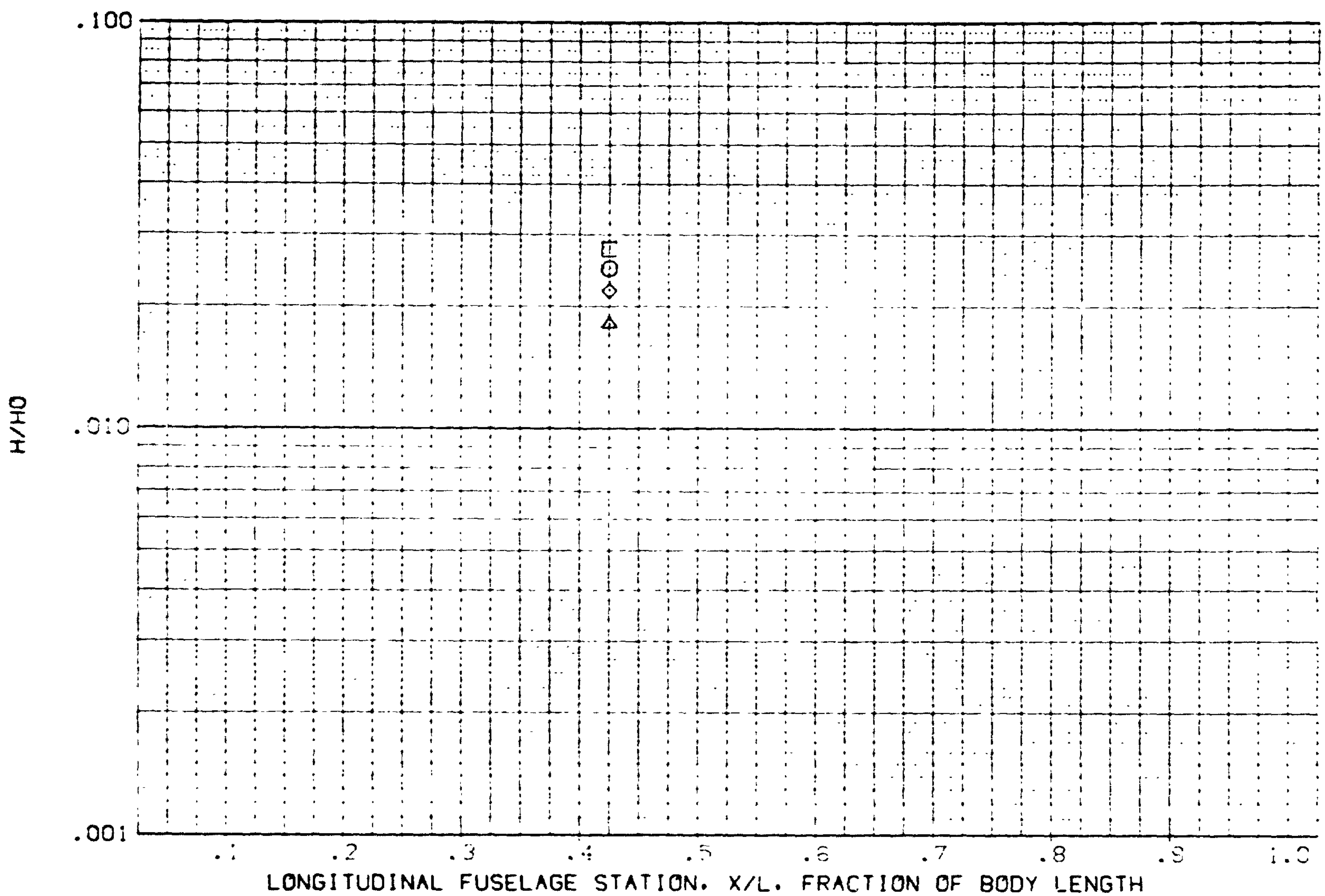


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAA/HT = .850 W.F. = 400.000

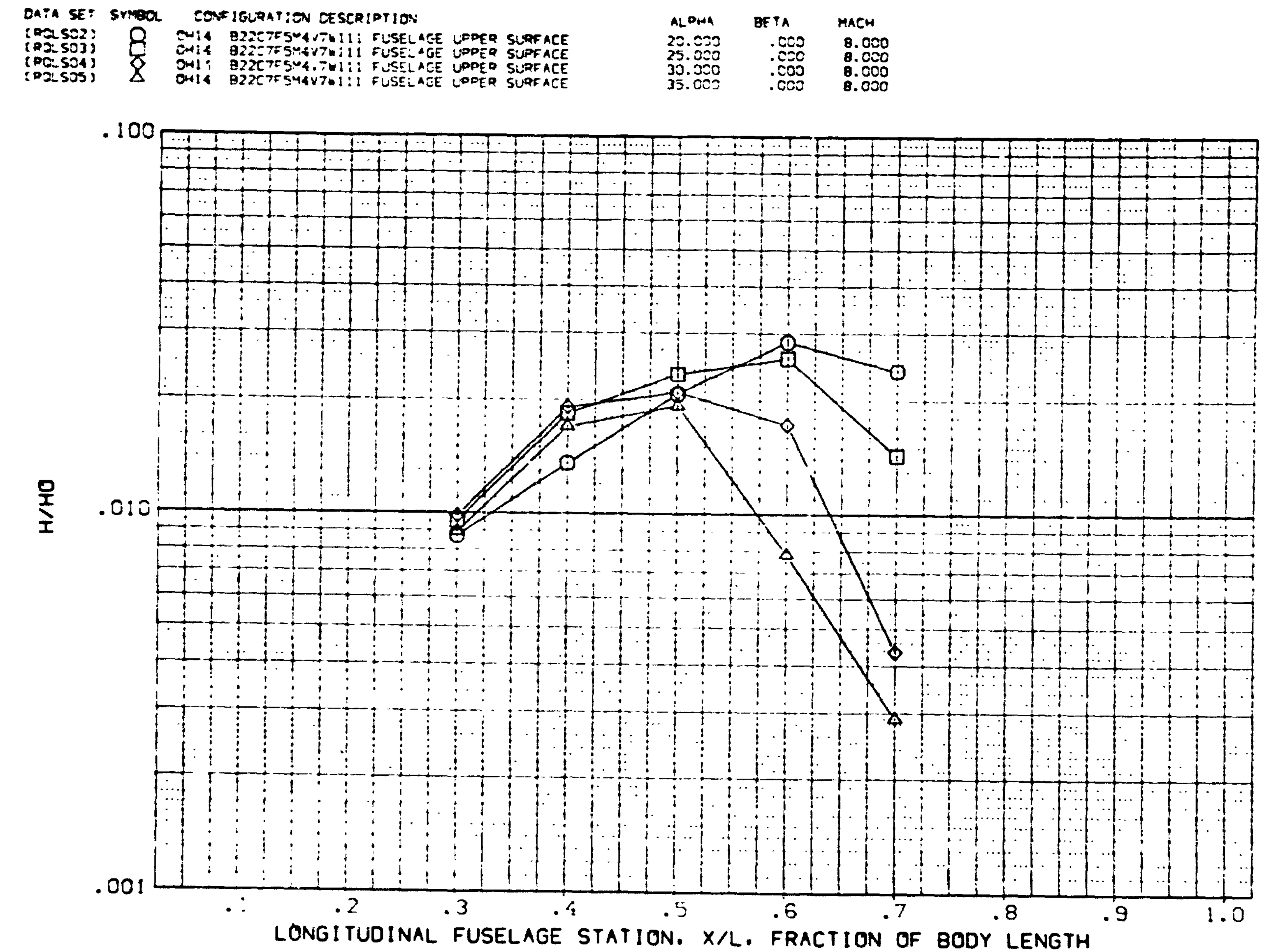


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .850 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

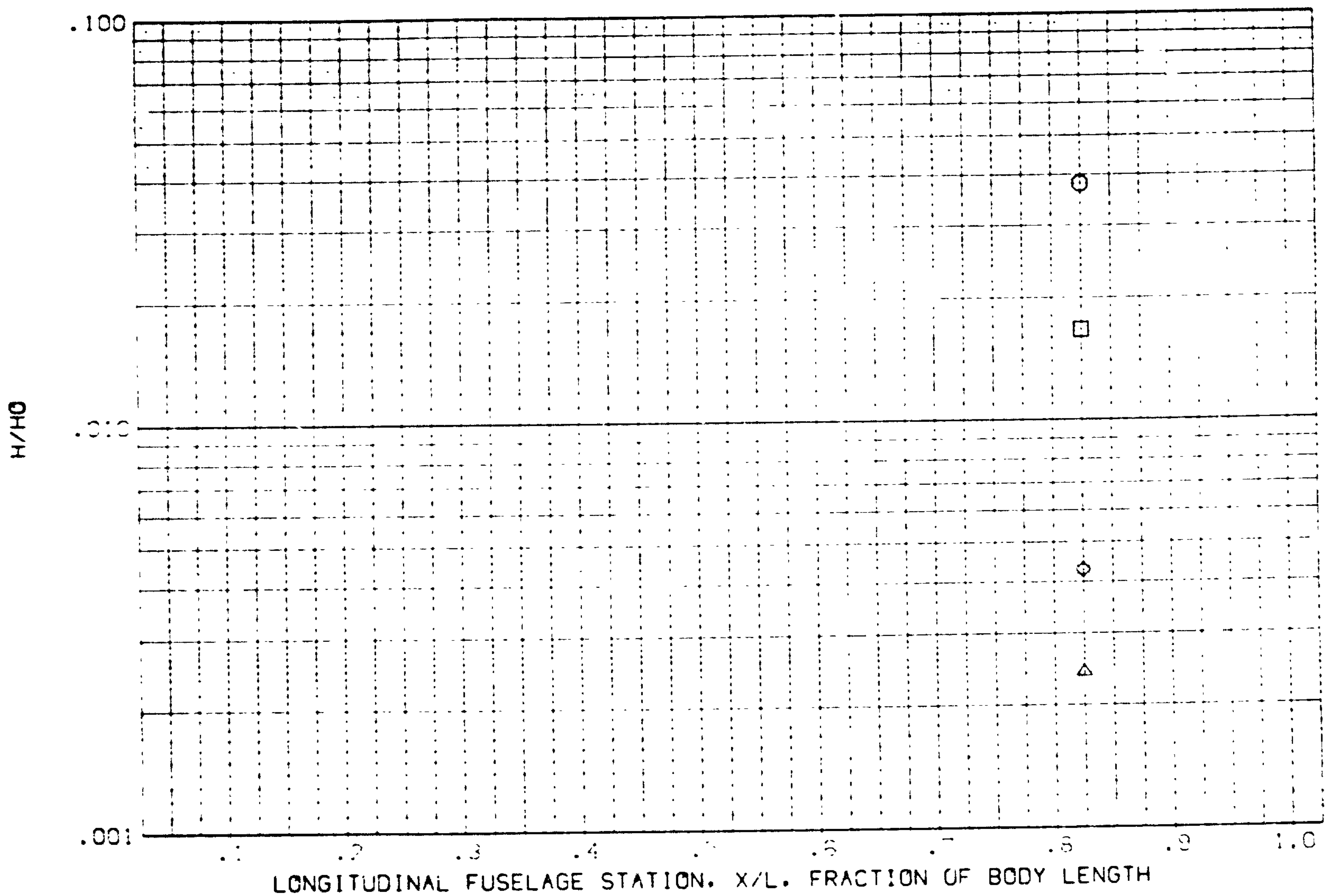
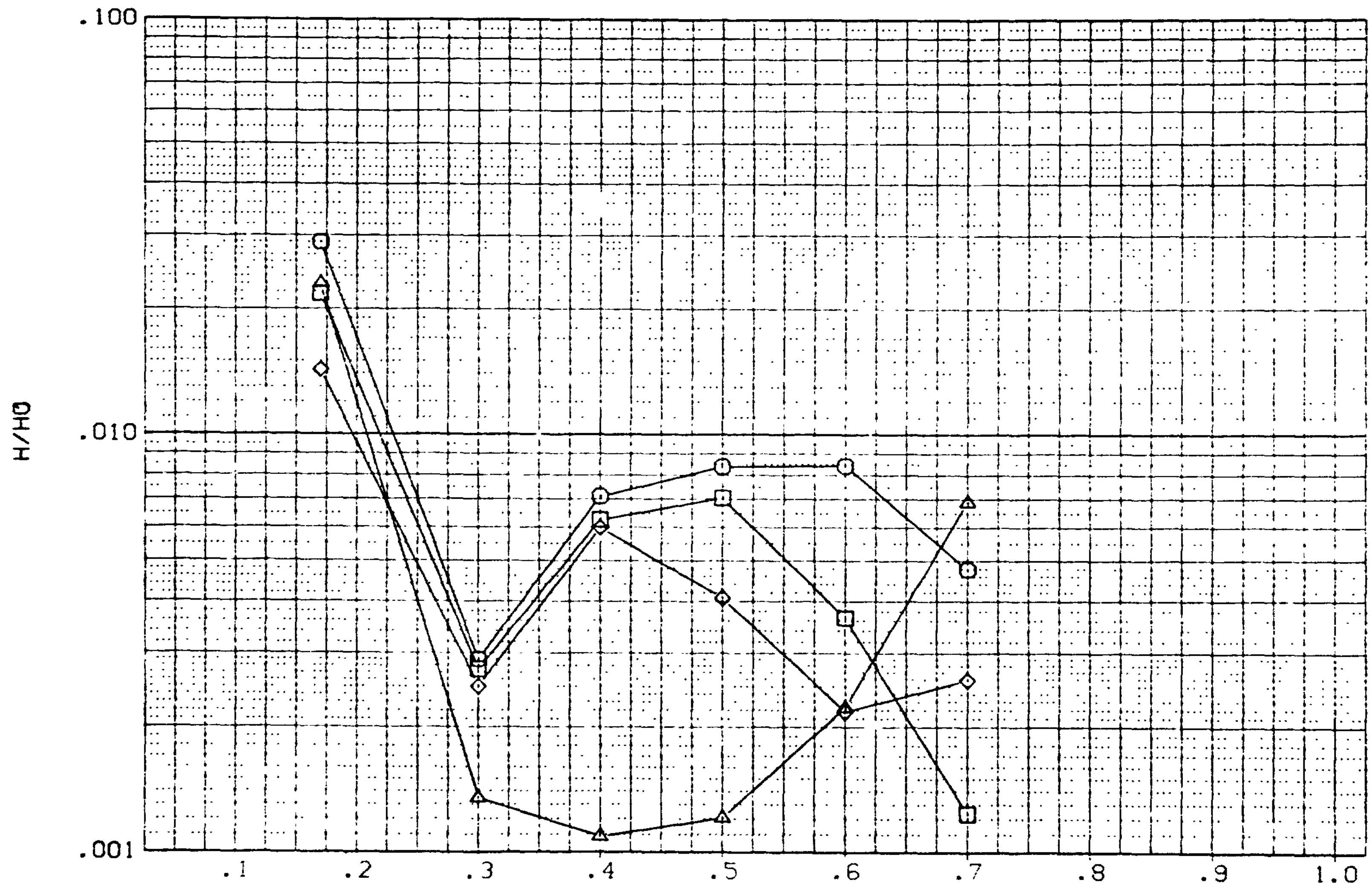


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HA, HT = .850 W.T. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .850 W.P. = 501.000

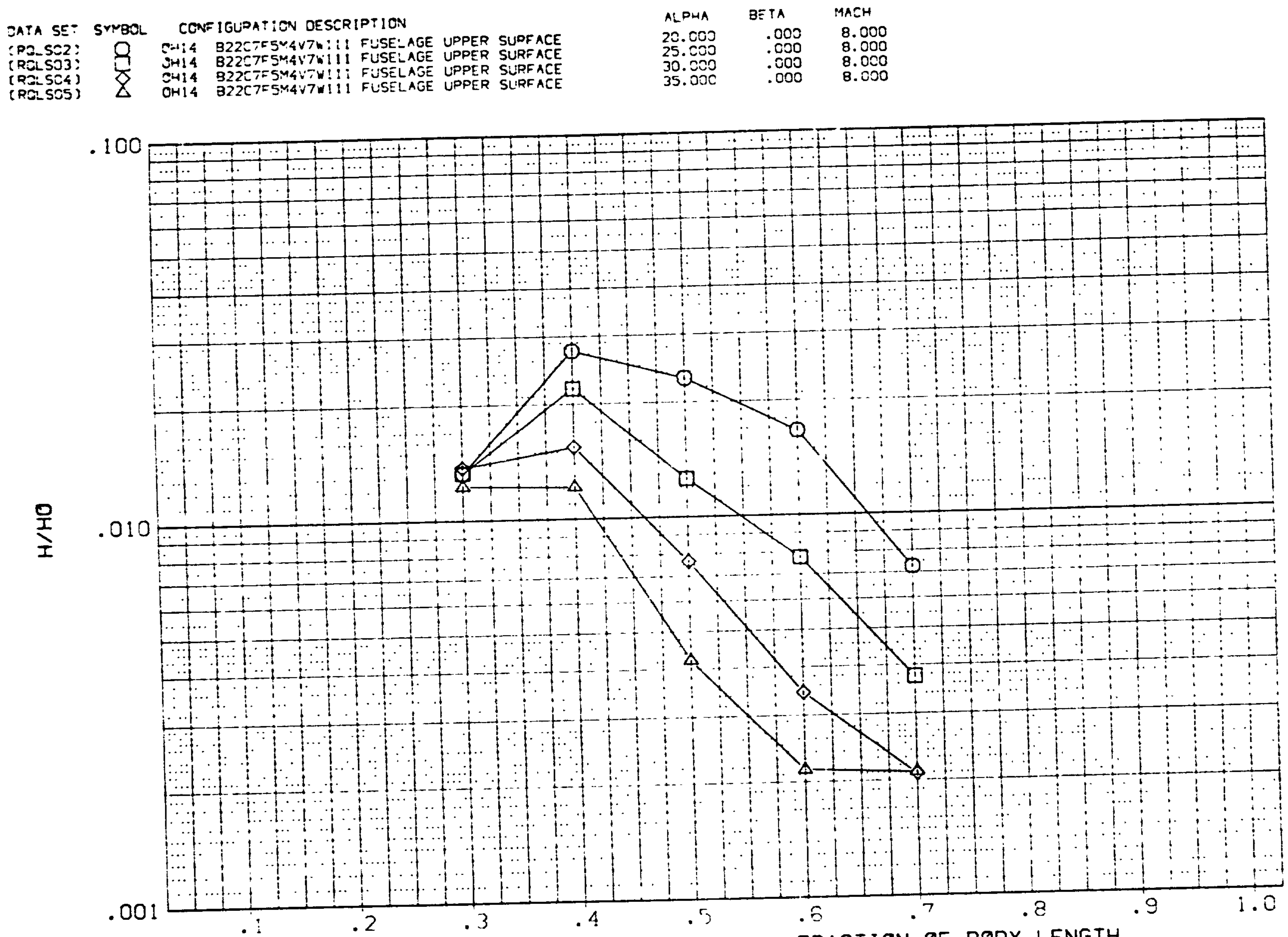


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .900 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

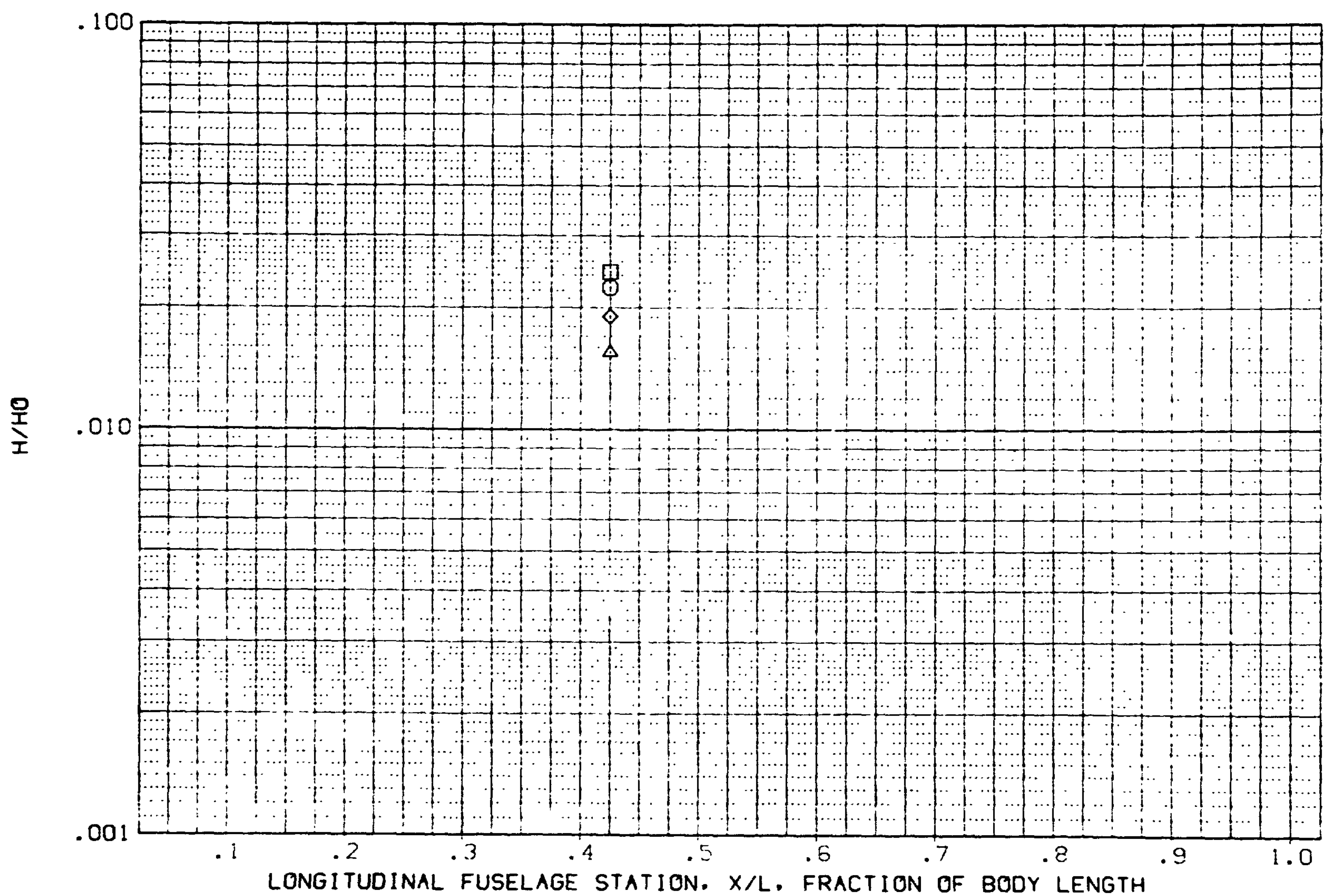


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .900 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

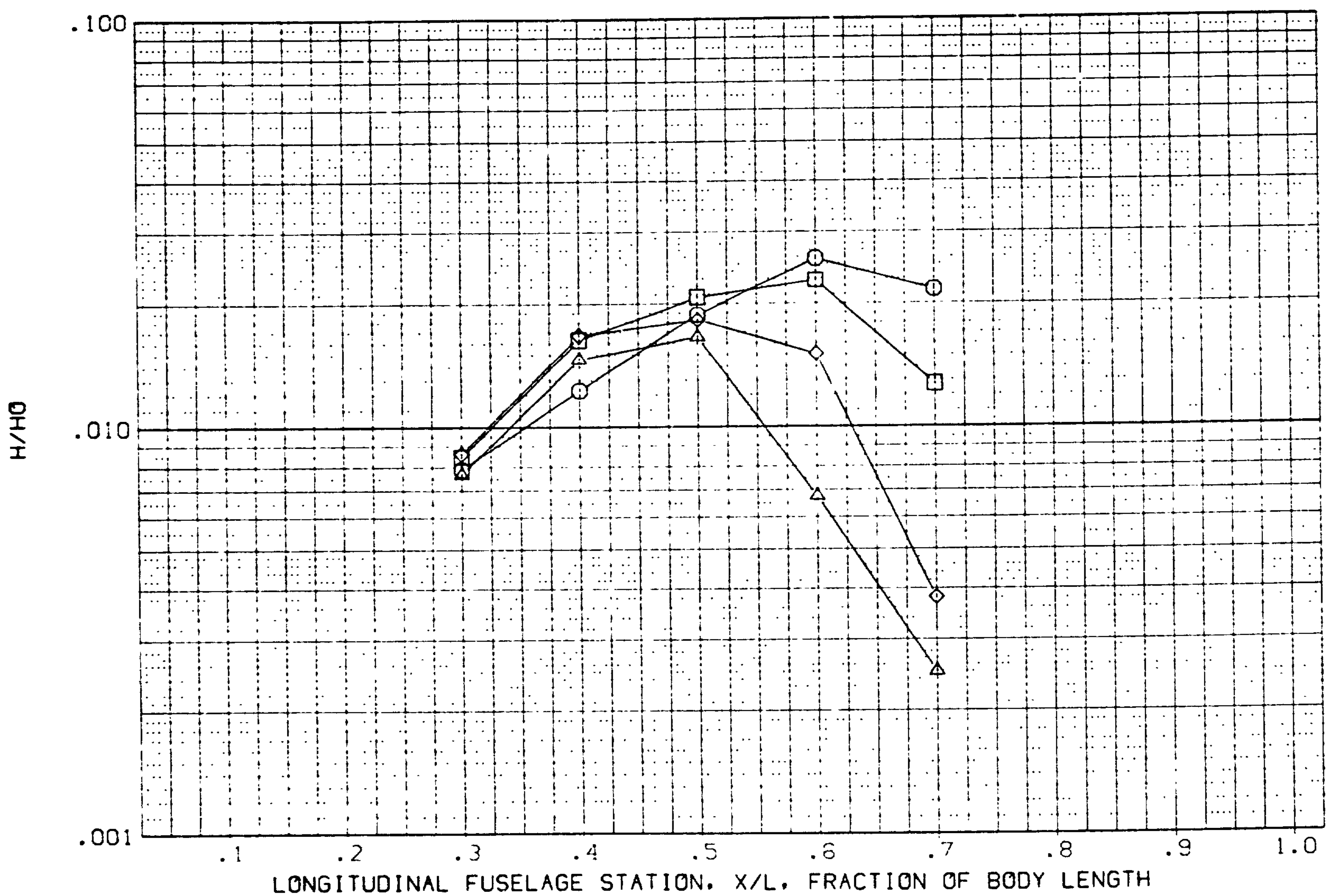


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .900 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSC2)	○	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLSO3)	□	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSO4)	◇	CH14 B22C7F5M4.7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSC5)	△	CH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

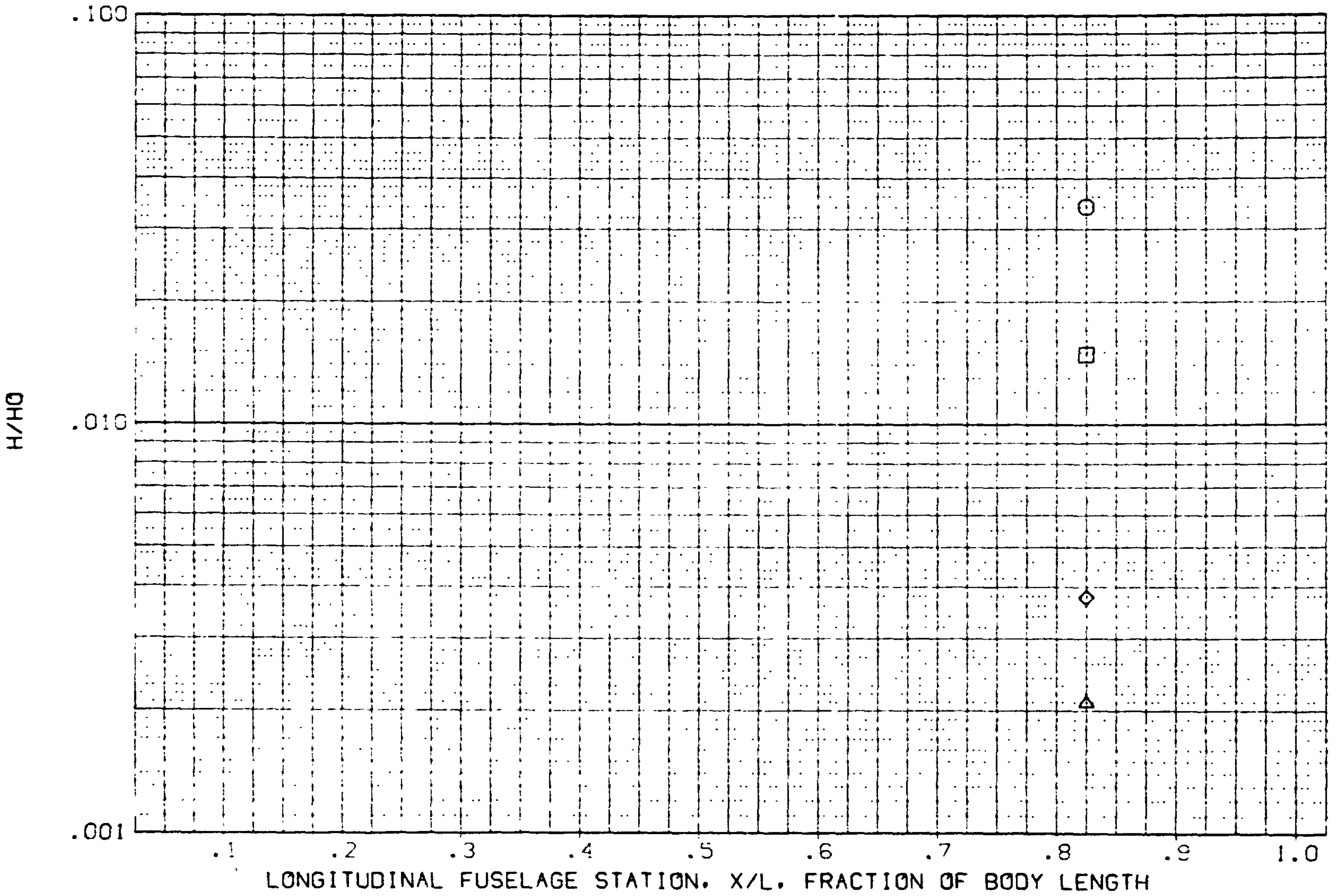


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .900 W.P. - 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

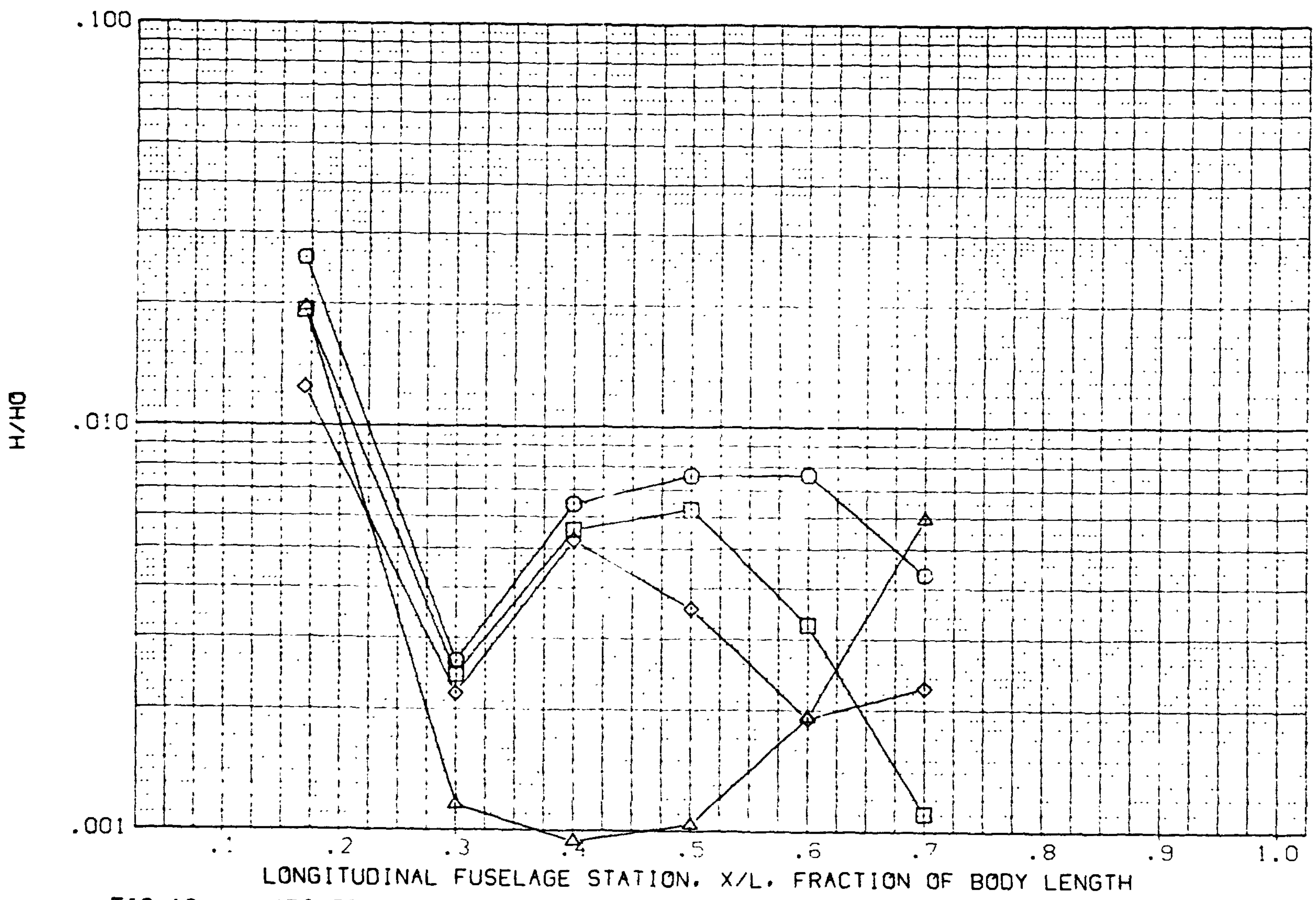


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 8.000 HAW/HT = .900 W.P. = 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

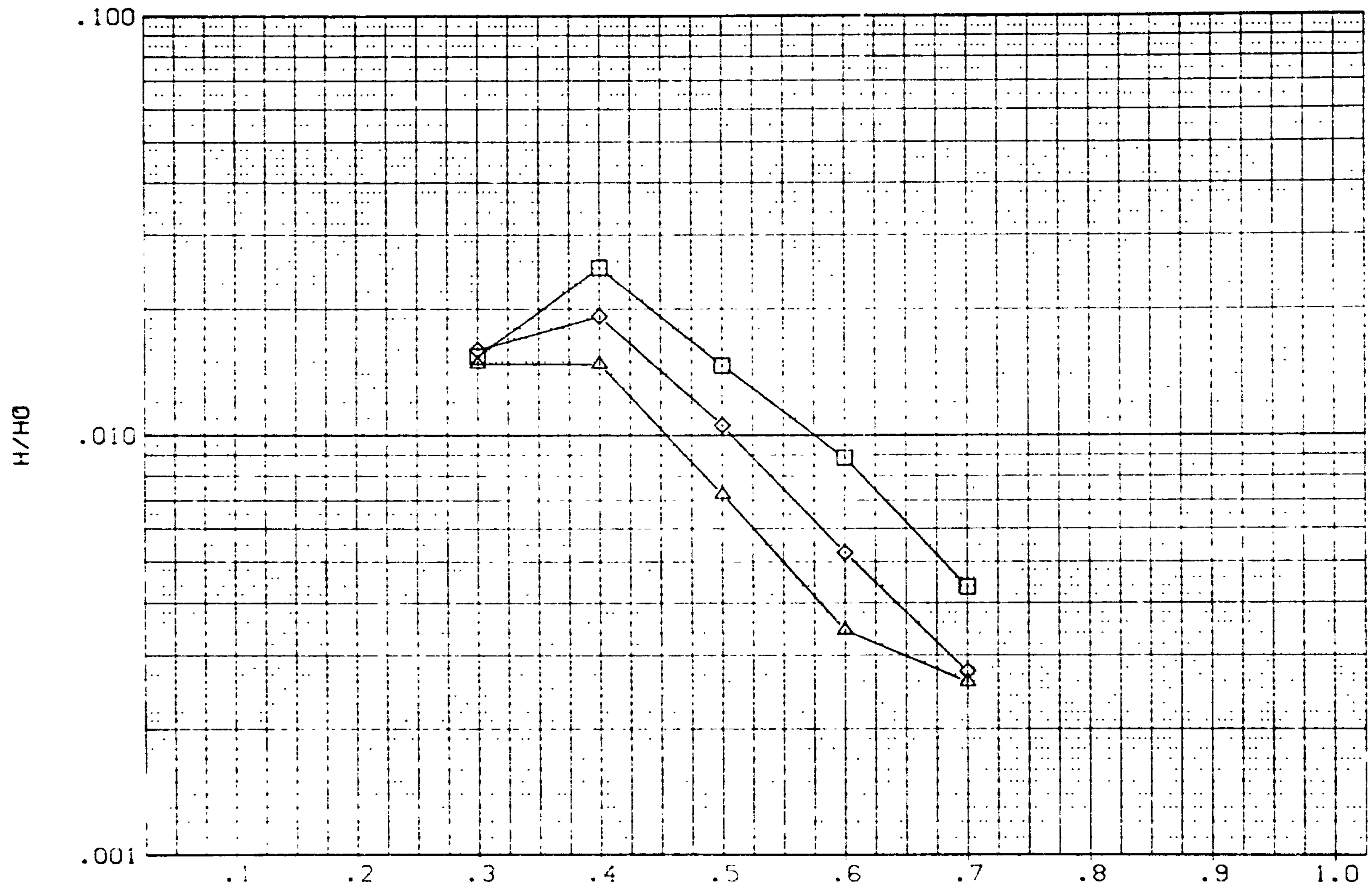


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .850 W.P. 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

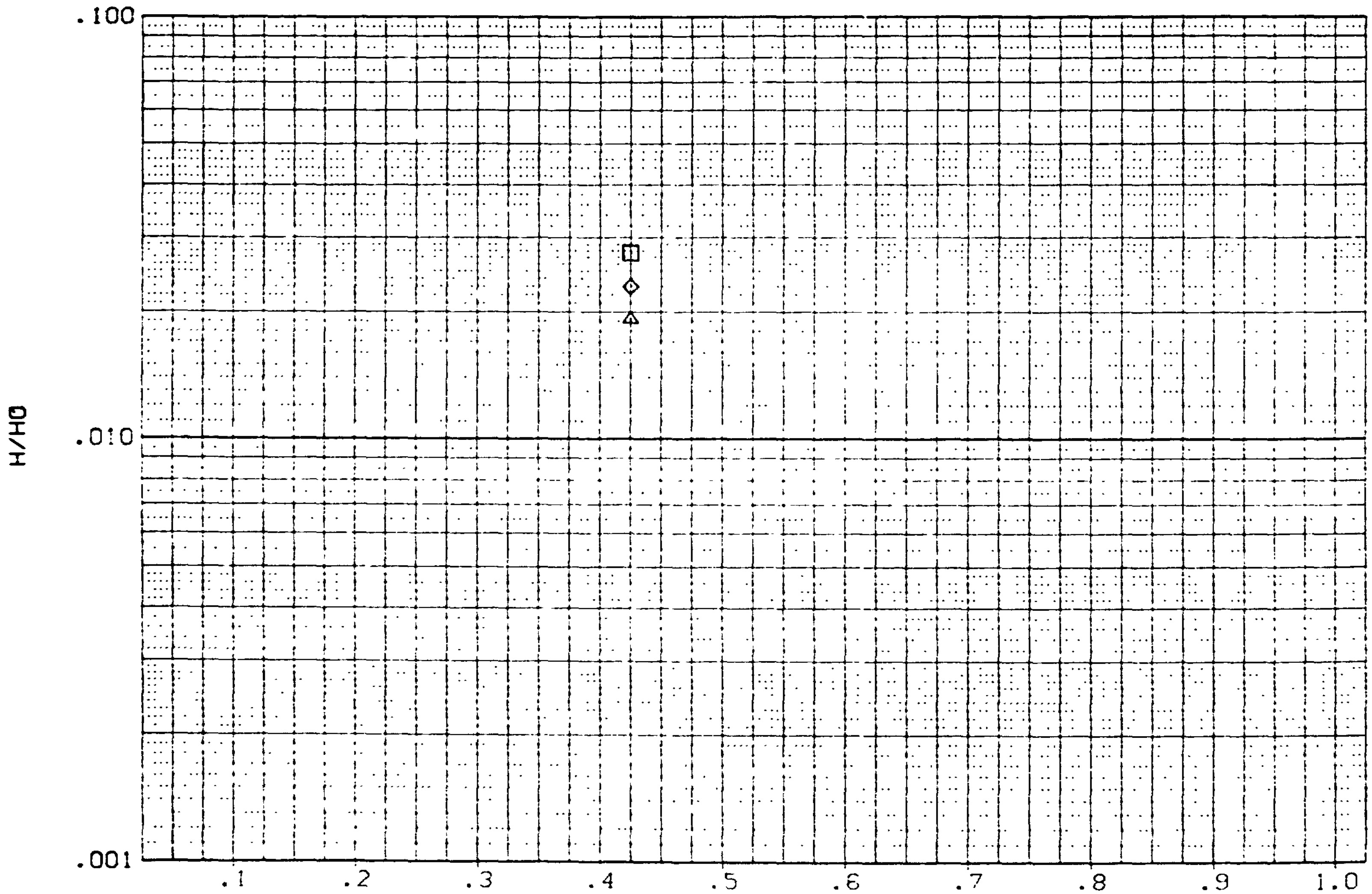


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .850 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RCLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RCLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RCLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RCLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

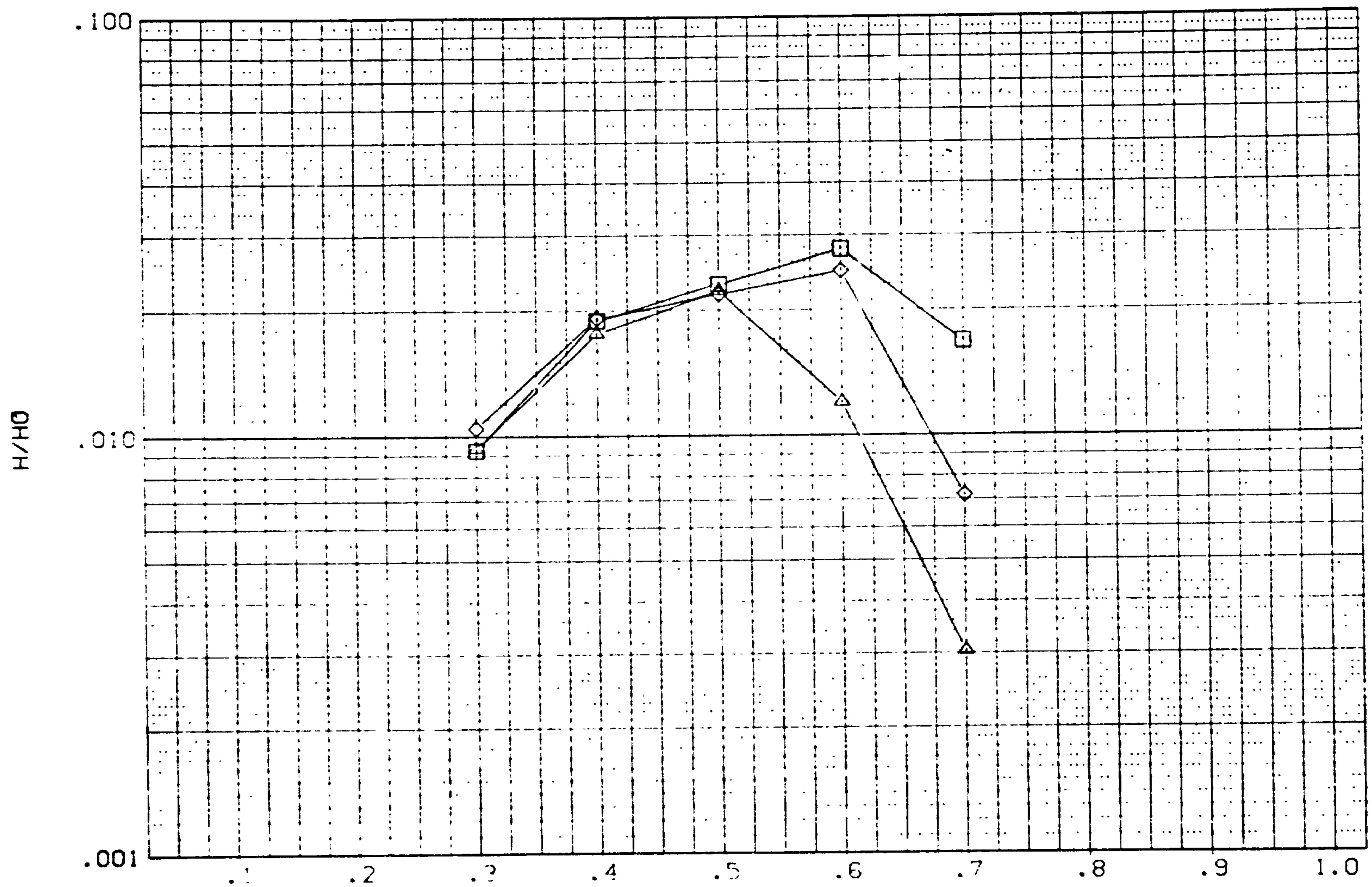


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .850 W.P. = 425.000

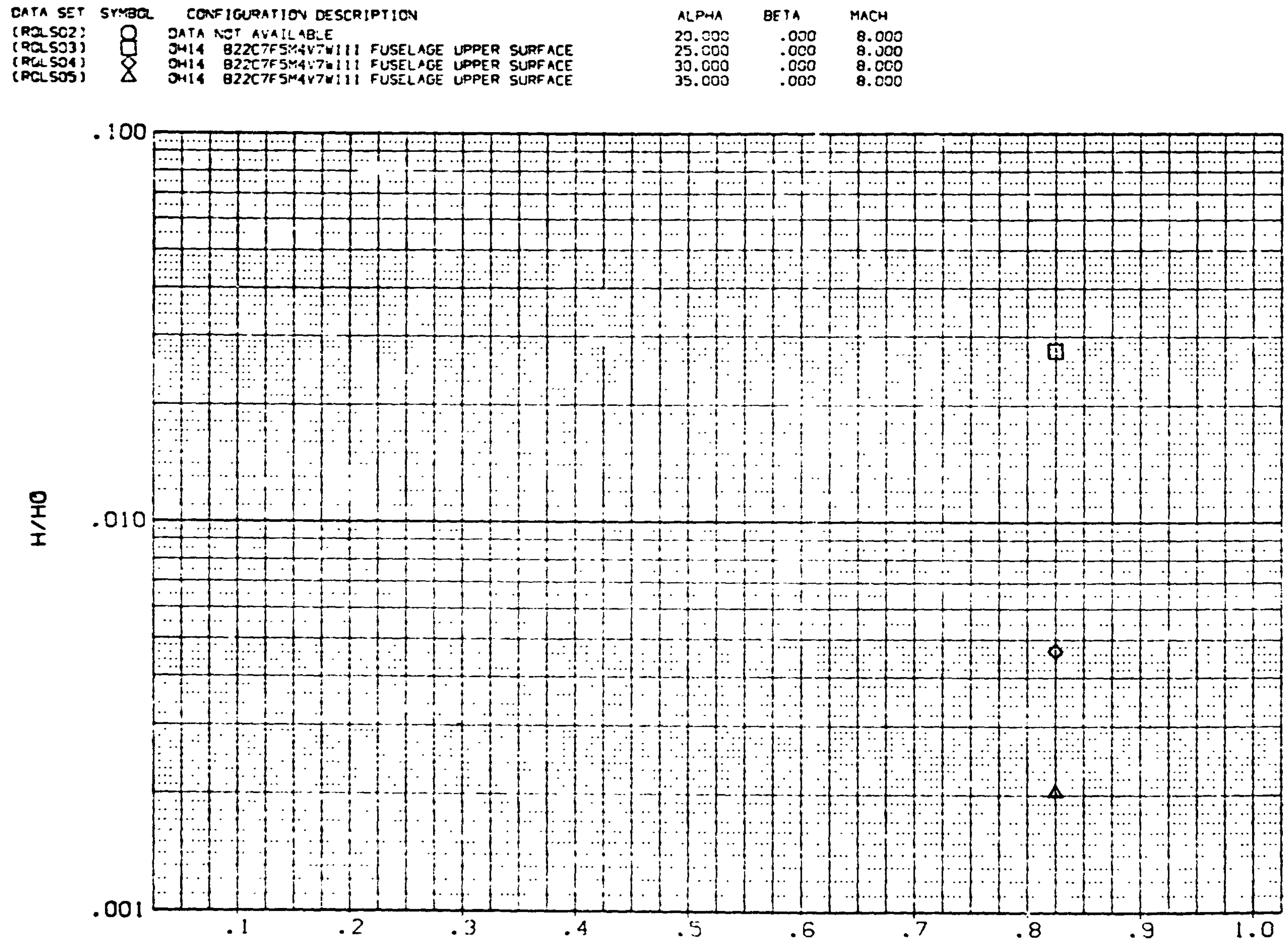


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .850 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

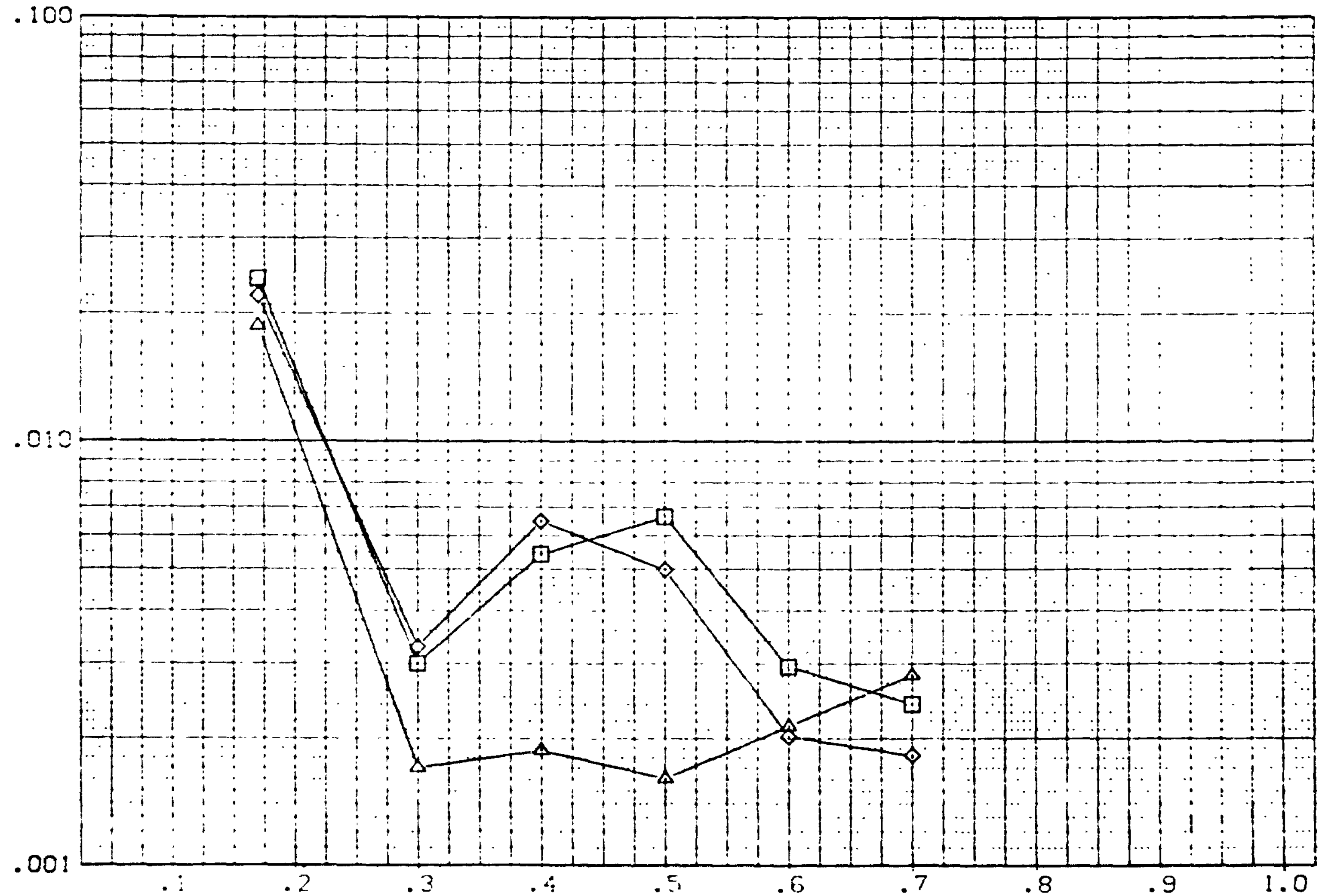


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 .850 501.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

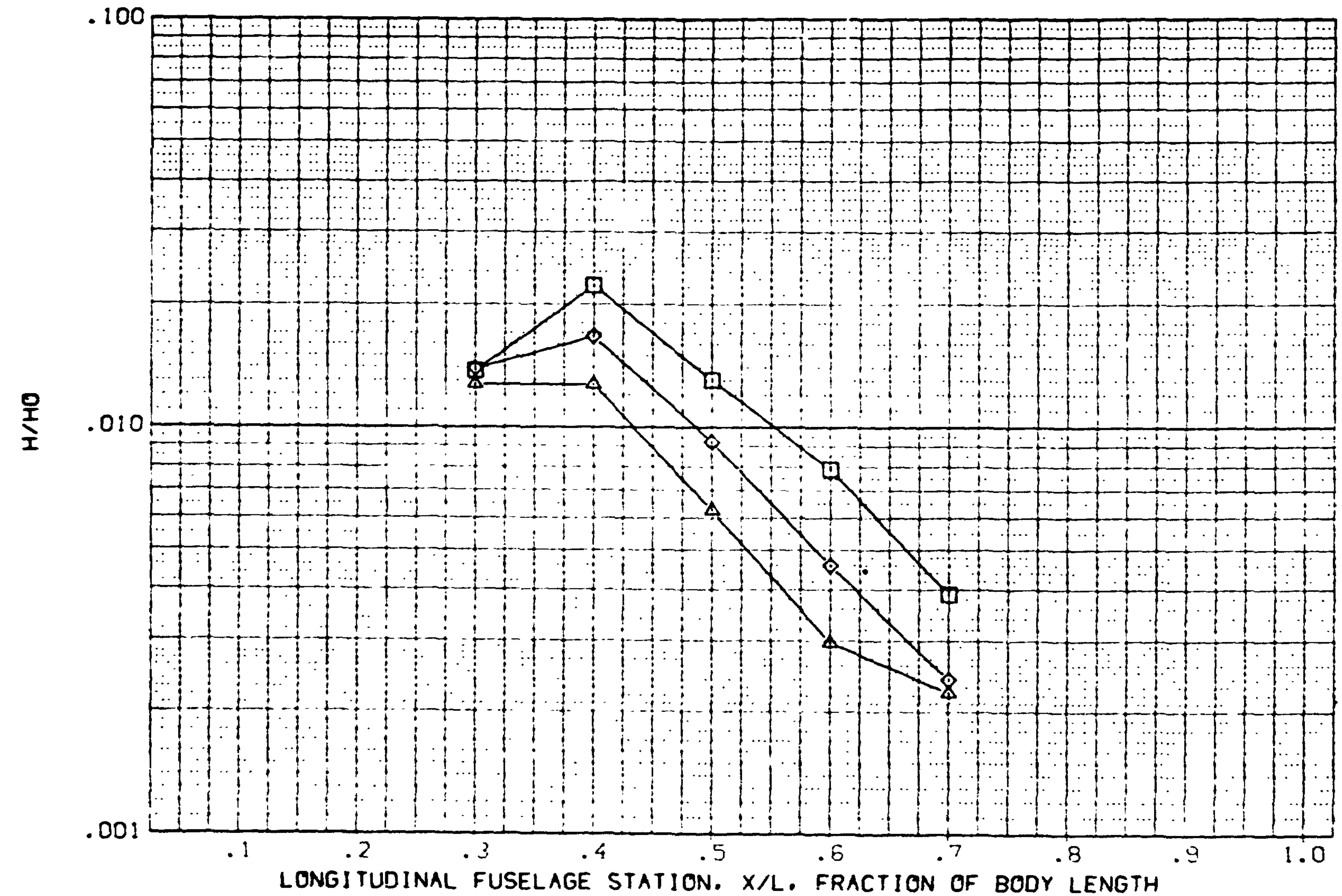


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .900 W.P. = 375.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLSC3)	□	OH14 B22C7F5M4,T=111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSC4)	◇	OH14 B22C7F5M4,T=111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSC5)	△	OH14 B22C7F5M4VT=111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

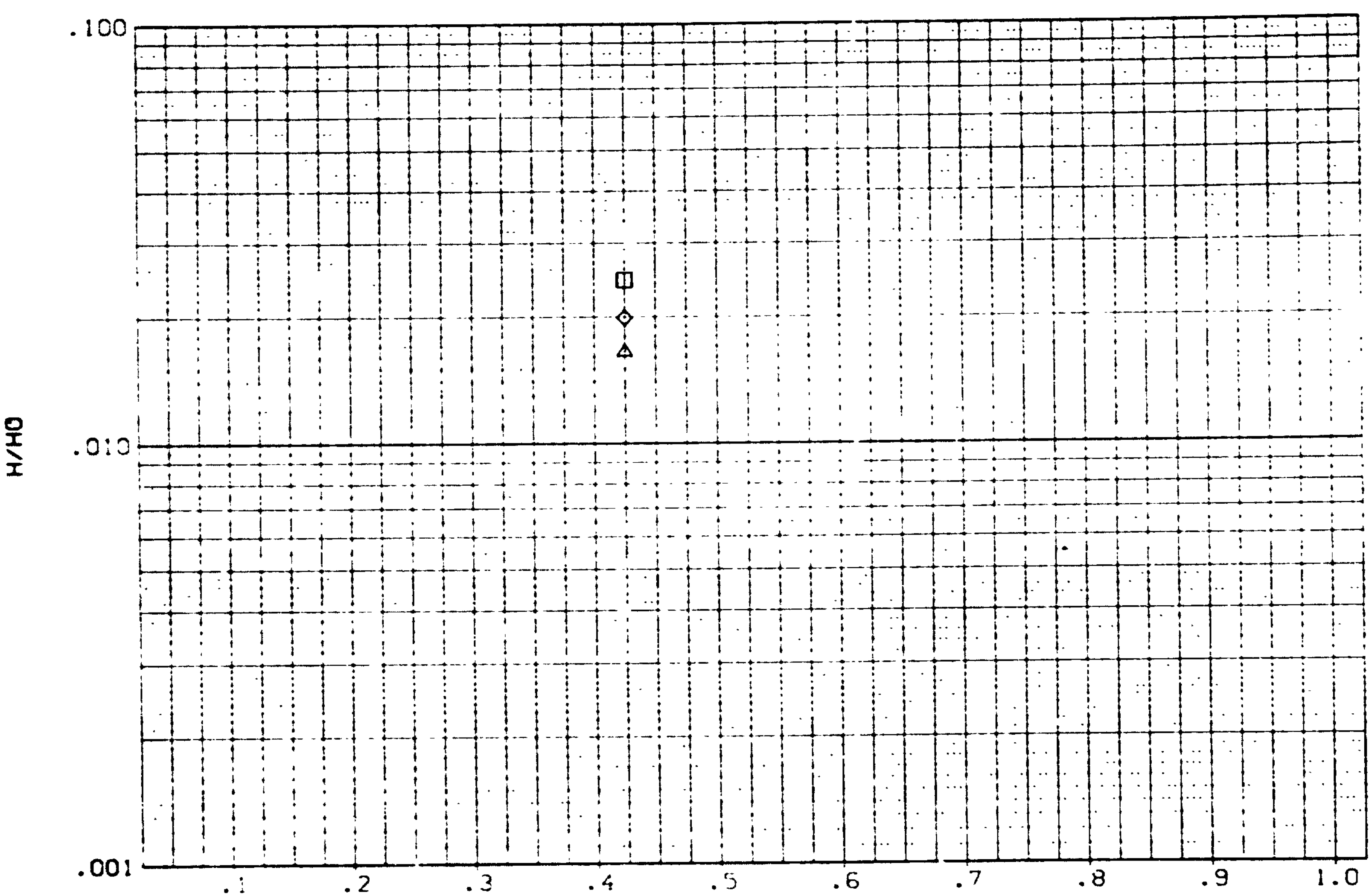


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .900 W.P. = 400.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLSC2)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLSO3)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLSO4)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLSO5)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

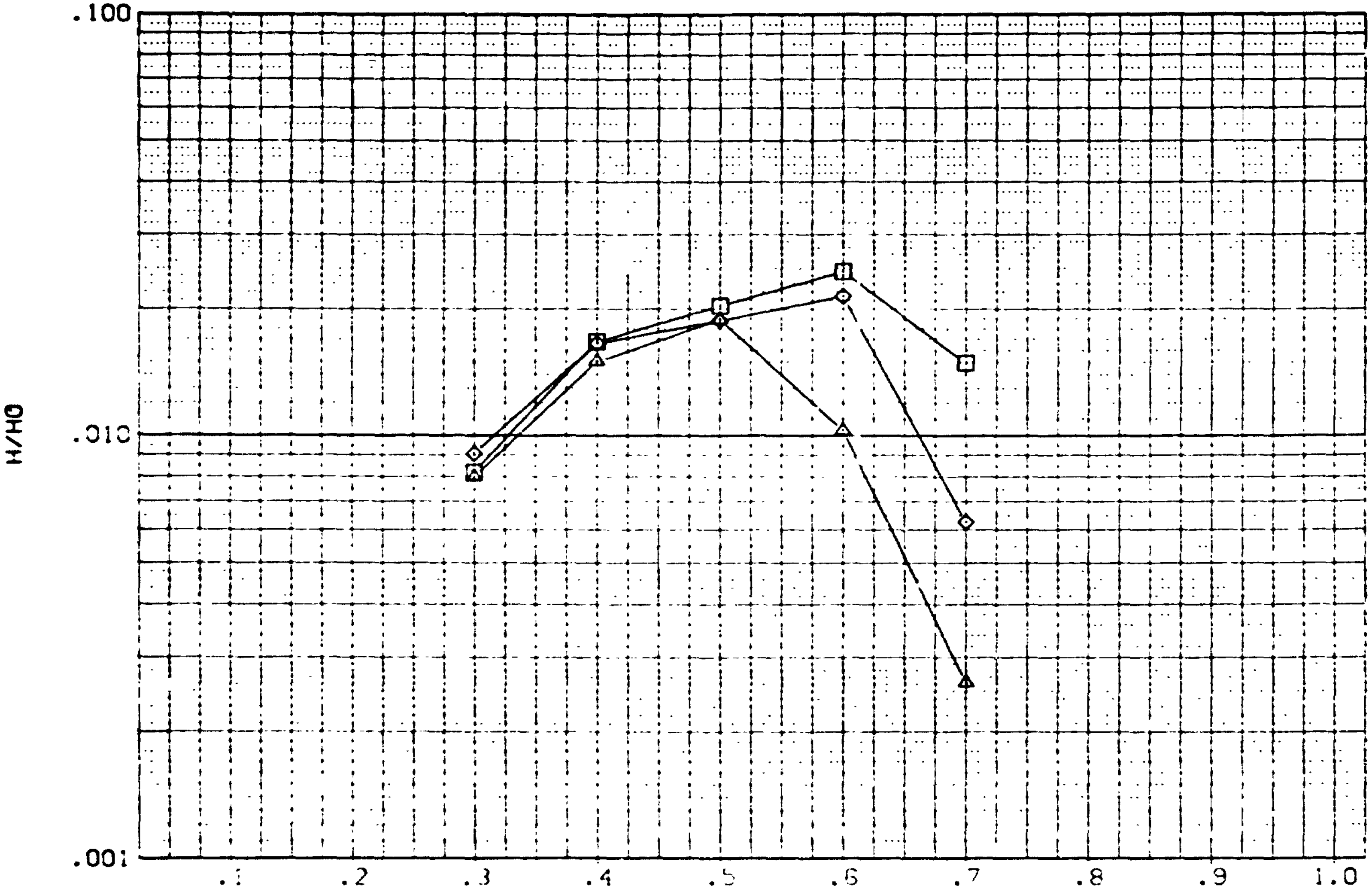


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .900 W.P. = 425.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

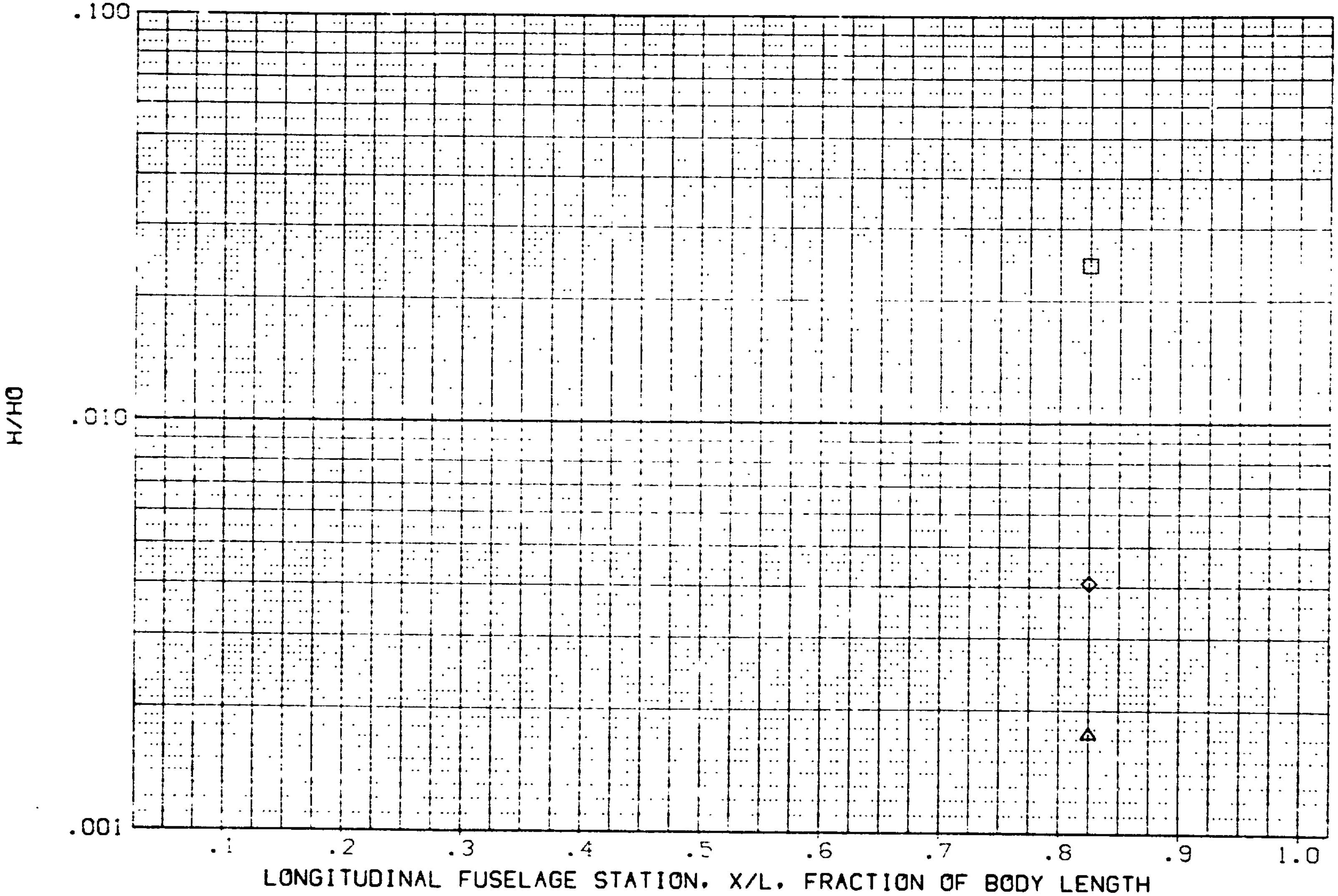


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .900 W.P. = 465.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	MACH
(RQLS02)	○	DATA NOT AVAILABLE	20.000	.000	8.000
(RQLS03)	□	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURF S	25.000	.000	8.000
(RQLS04)	◇	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	30.000	.000	8.000
(RQLS05)	△	OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE	35.000	.000	8.000

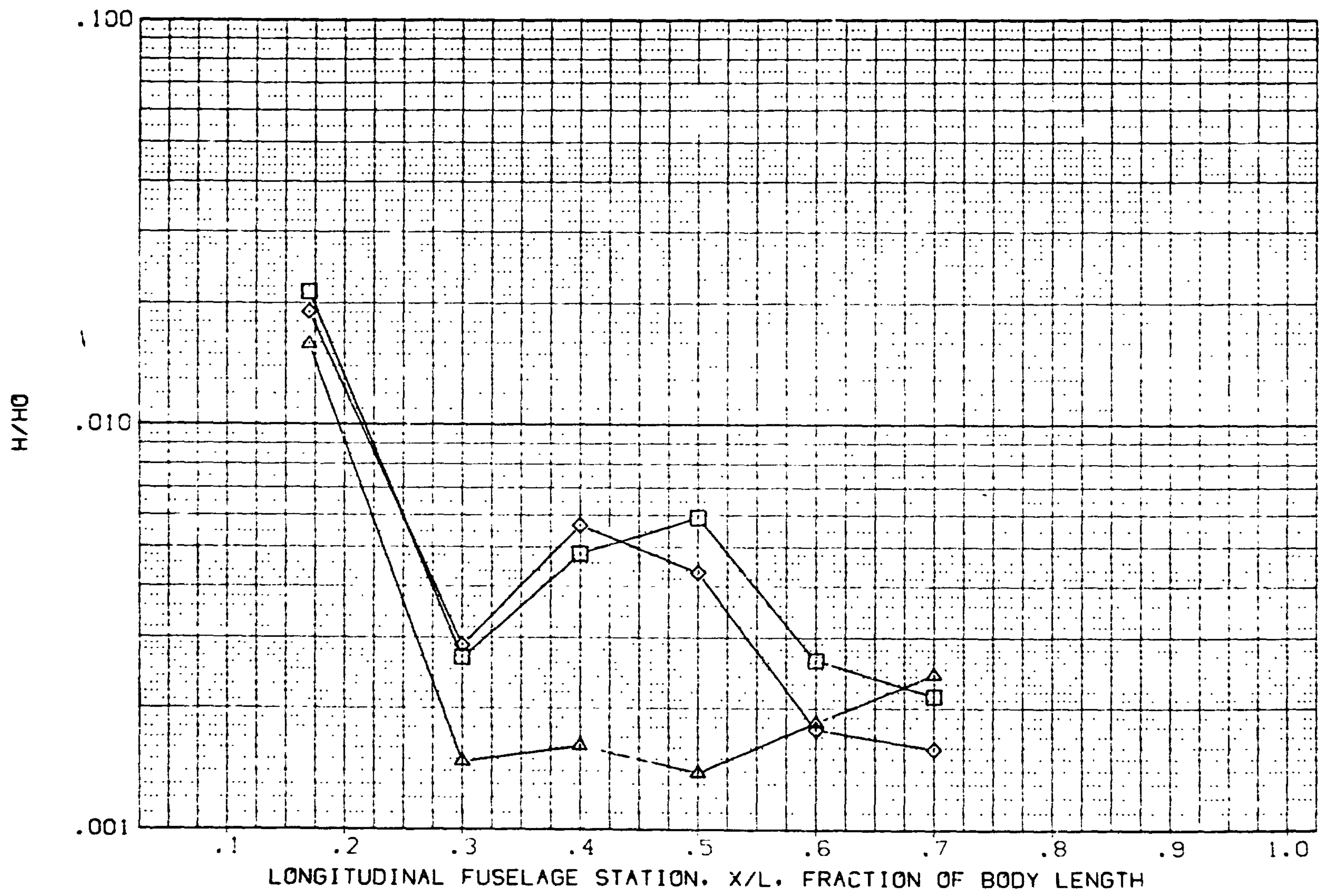


FIG 18 VARIATION WITH ANGLE OF ATTACK ON FUSELAGE UPPER SURFACE

RN/L = 10.000 HAW/HT = .900 W.P. = 501.000

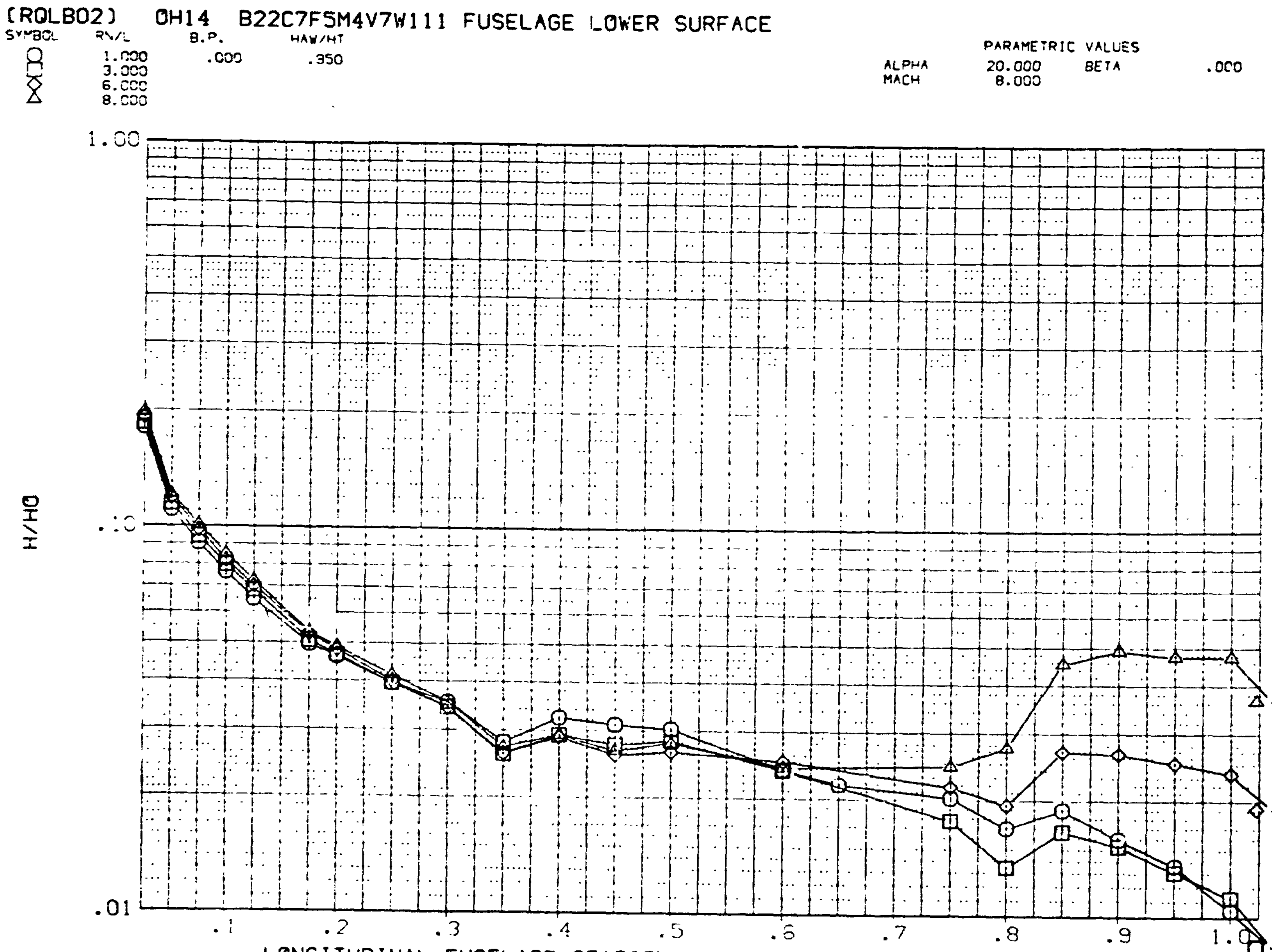


FIG 19 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLB02) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	RN/L	B.P.	HAW/HT
○	1.000	117.000	.850
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

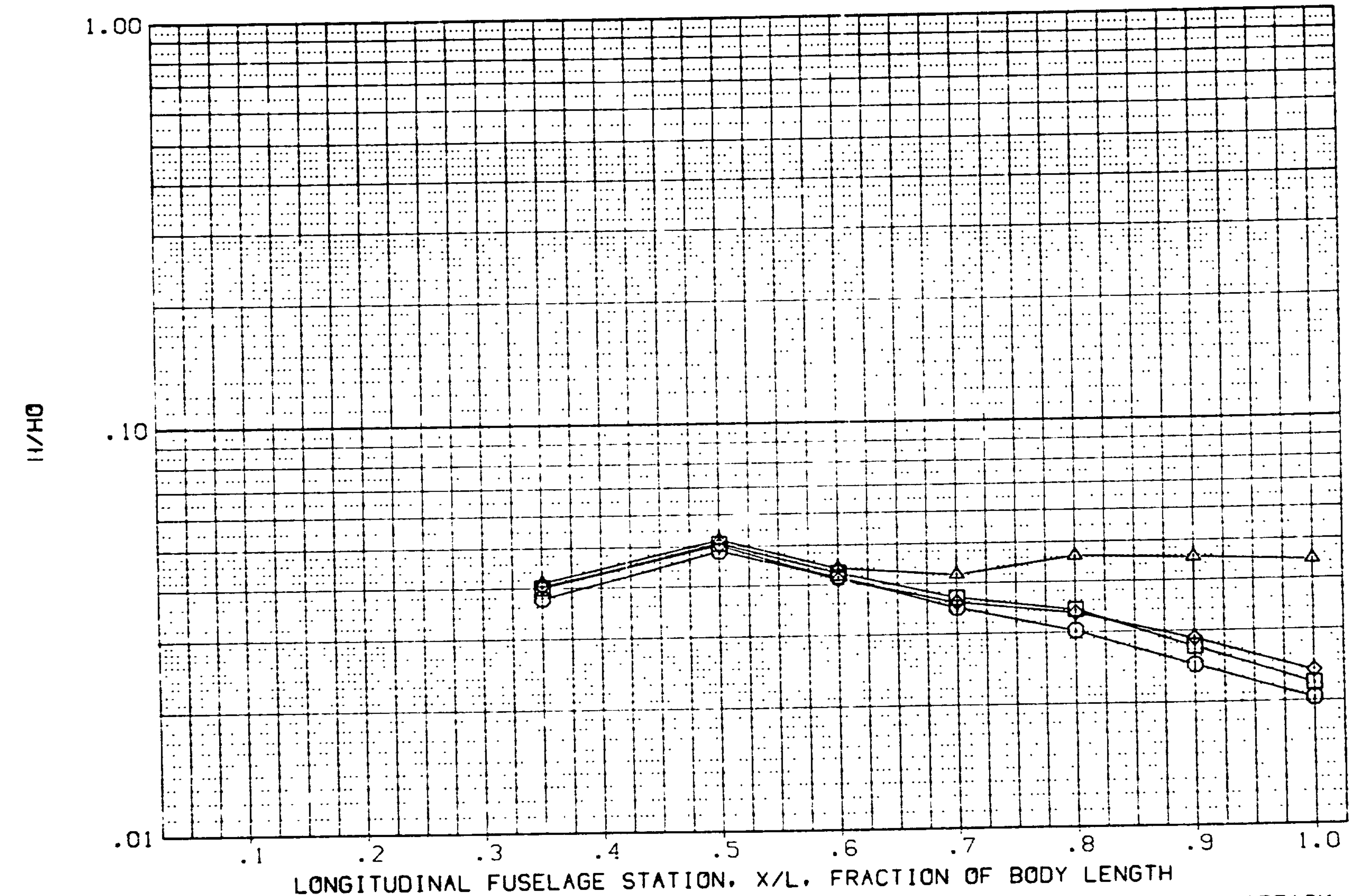


FIG 19 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

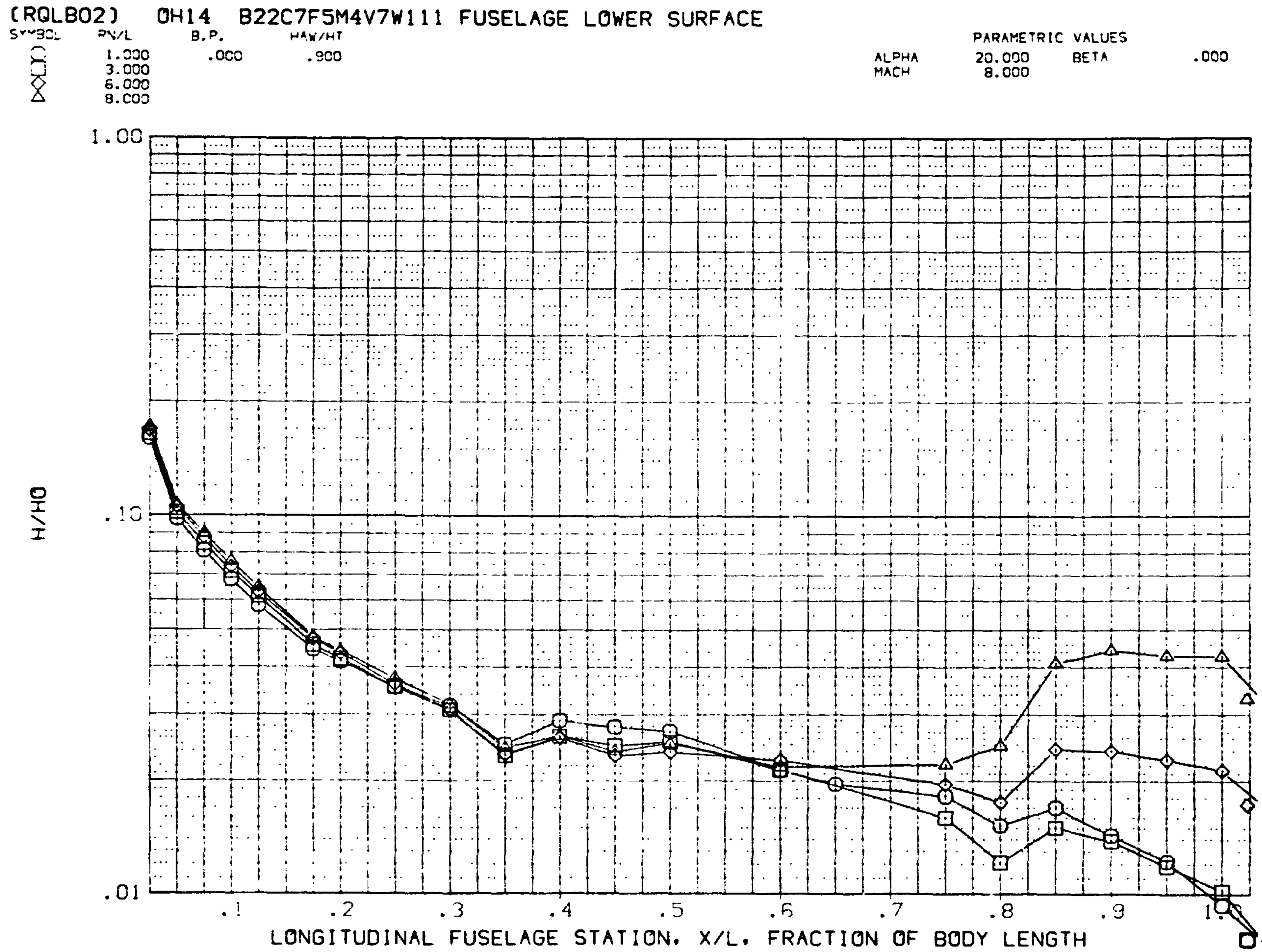


FIG 19 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLB02) 0H14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

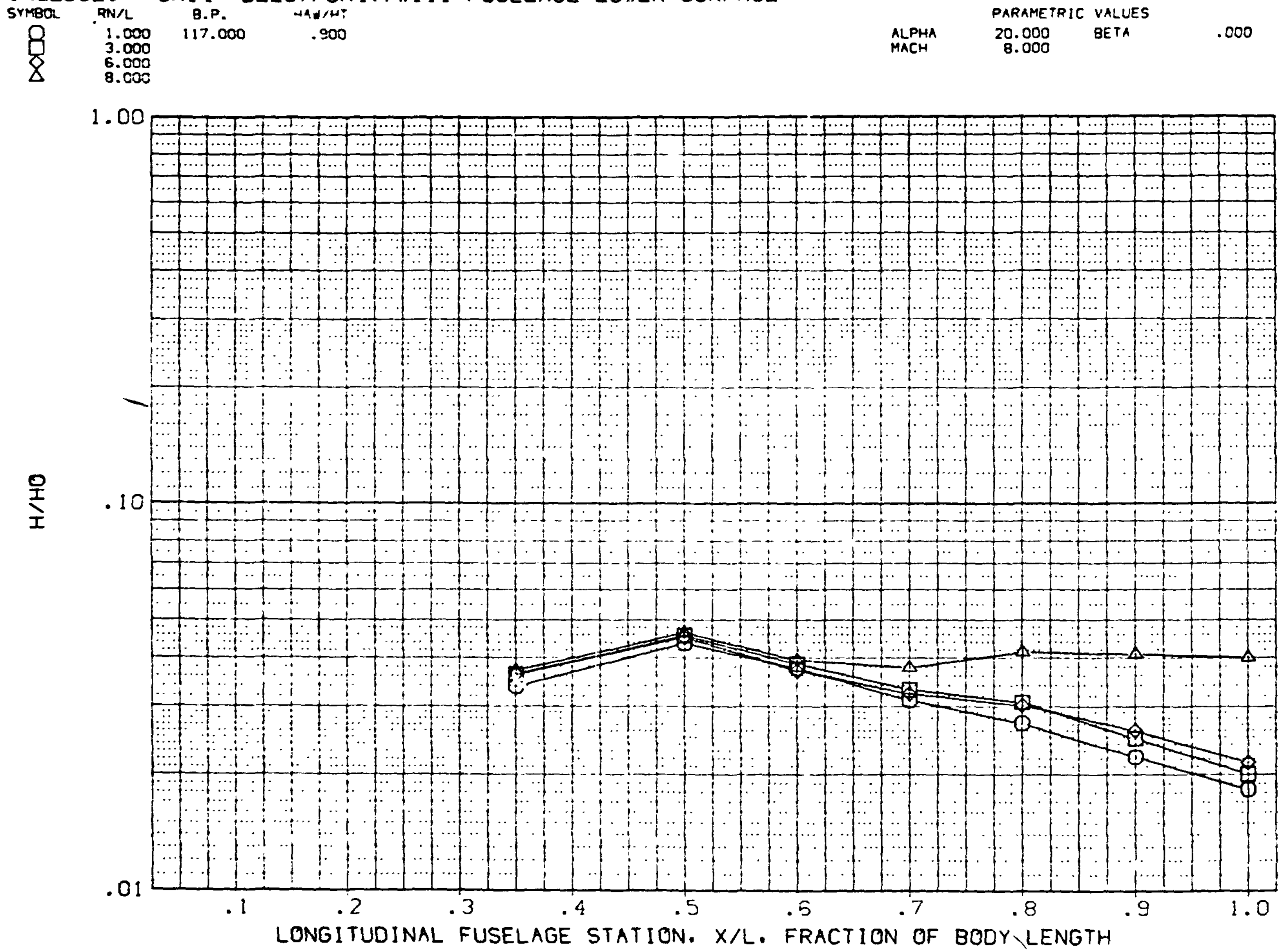


FIG 19 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

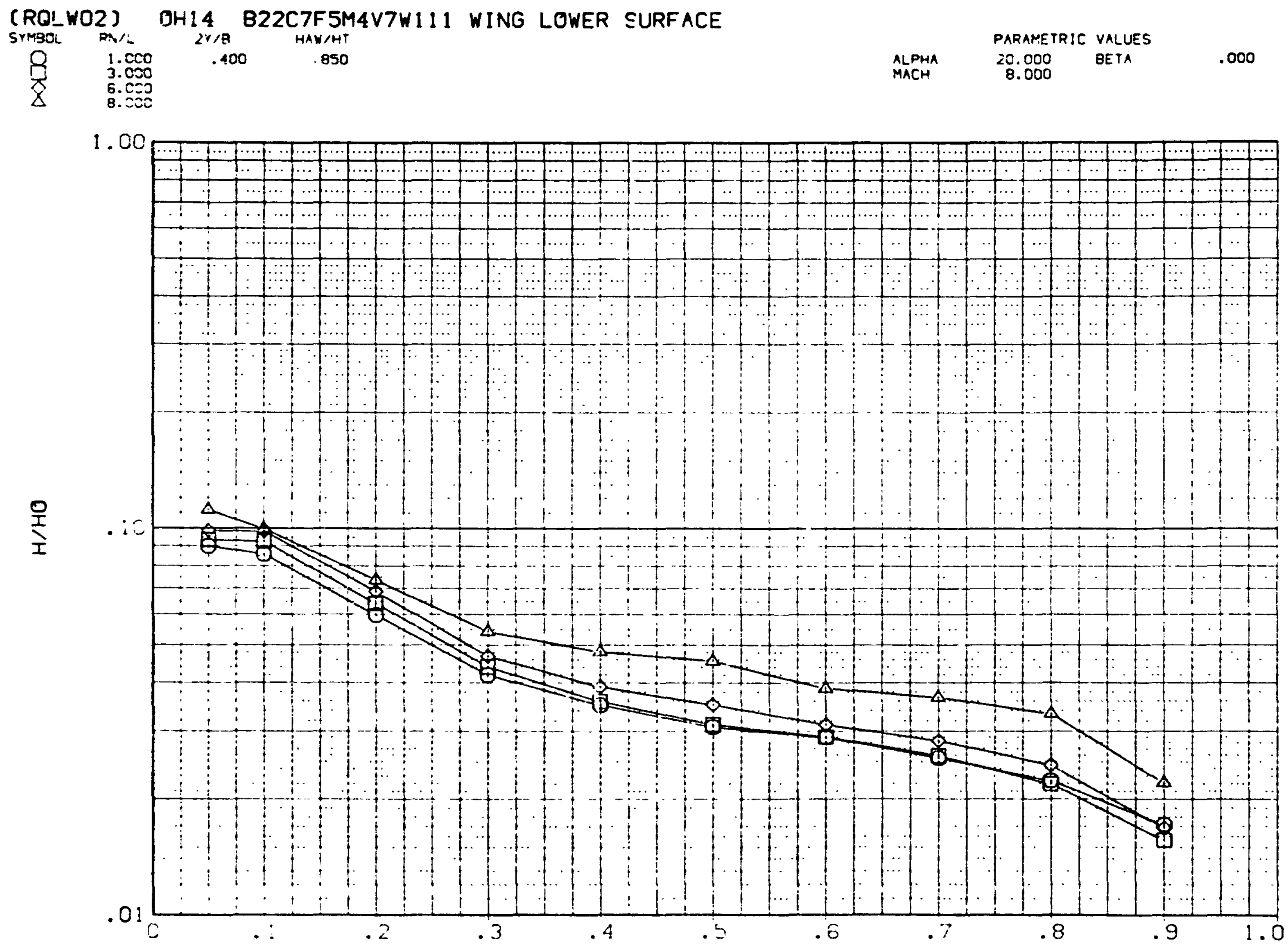


FIG 20 VARIATION OF RN/L ON WING LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

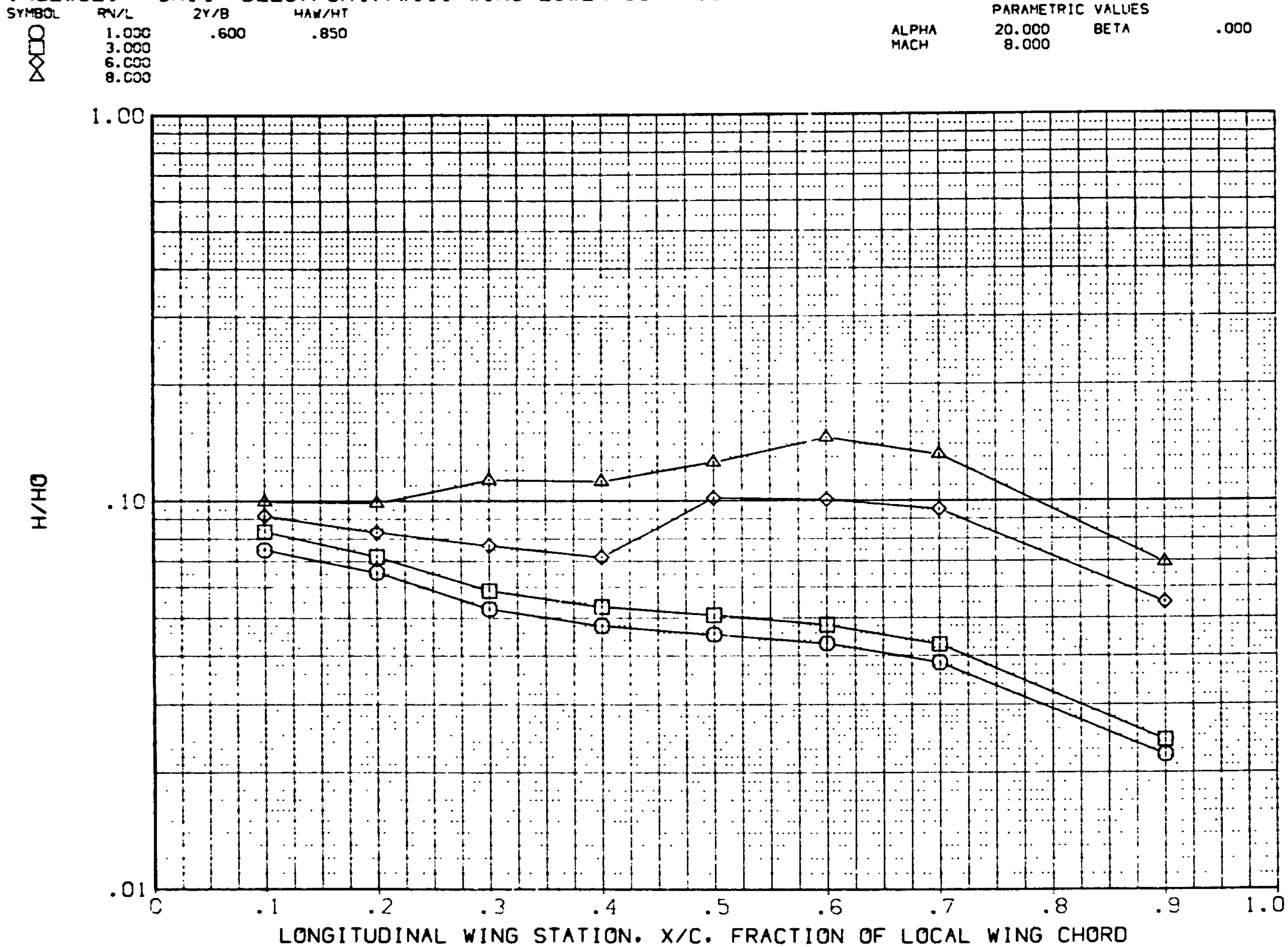


FIG 20 VARIATION OF RN/L ON WING LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

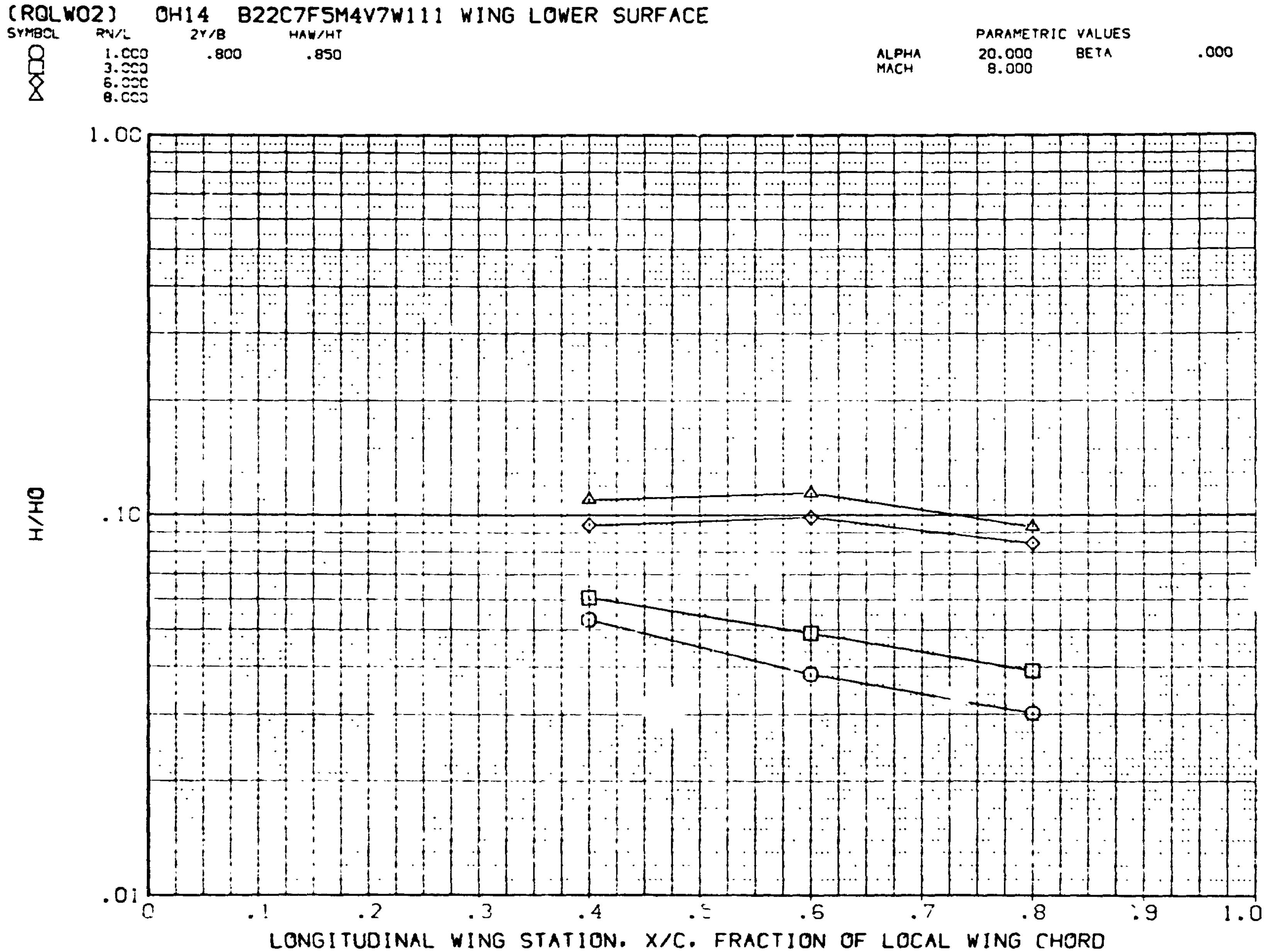


FIG 20 VARIATION OF RN/L ON WING LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

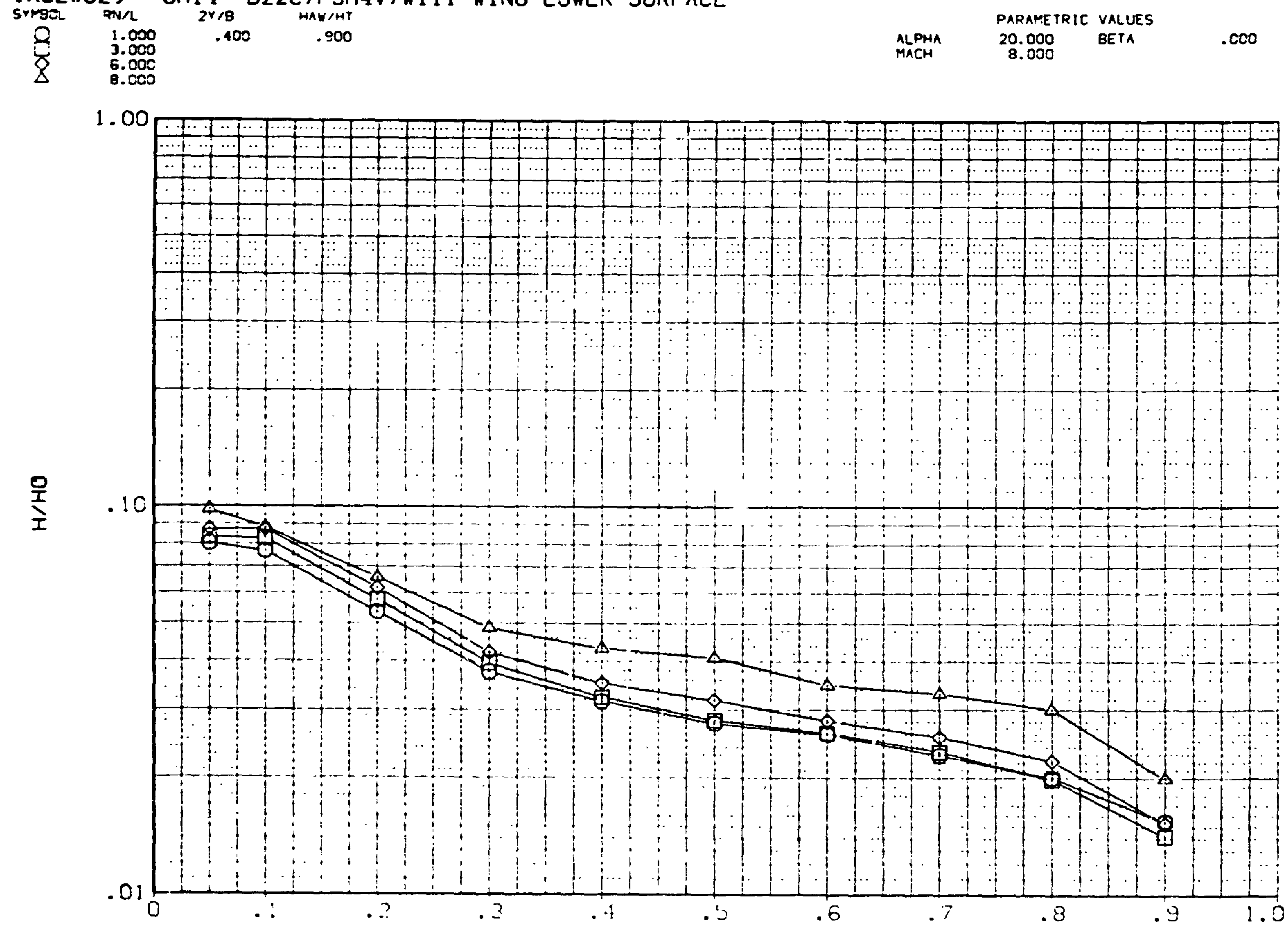


FIG 20 VARIATION OF RN/L ON WING LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	1.000	.600	.900
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

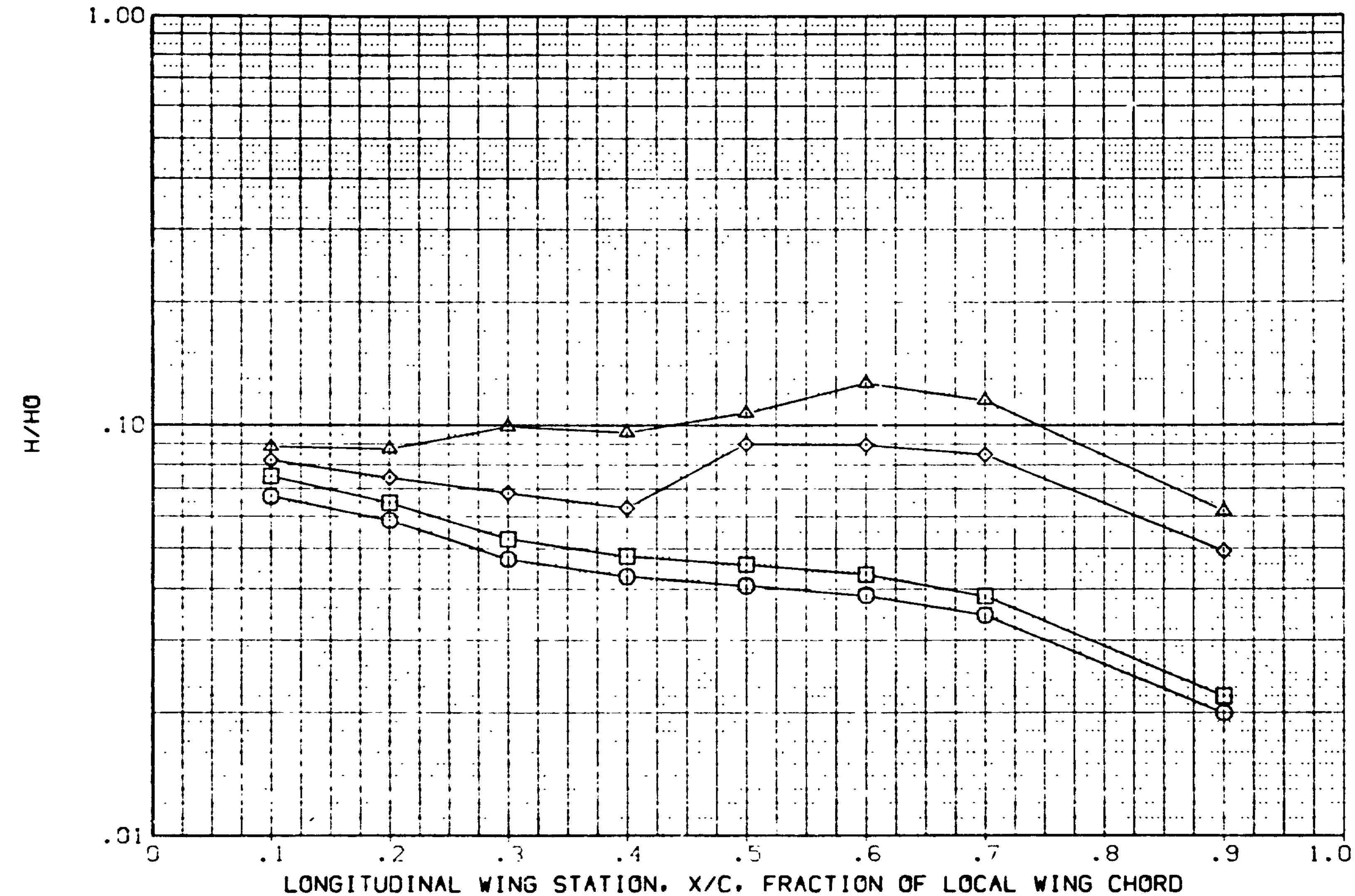


FIG 20 VARIATION OF RN/L ON WING LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLW02) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	1.000	.800	.900
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

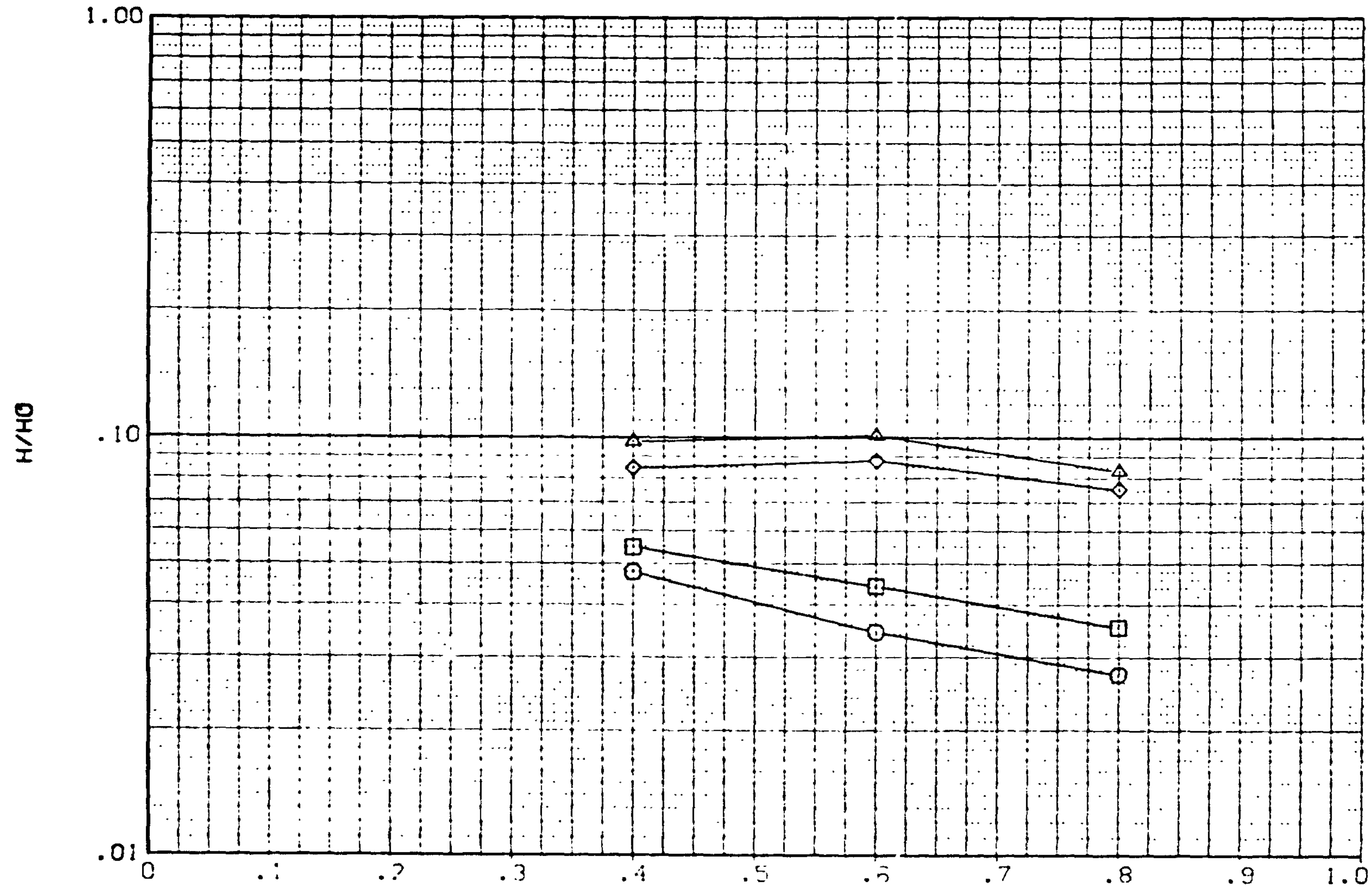


FIG 20 VARIATION OF RN/L ON WING LOWER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLS02) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT		PARAMETRIC VALUES		
○	1.000	375.000	.850	ALPHA	20.000	BETA	.000
□	3.000			MACH	8.000		
◇	6.000						
△	8.000						

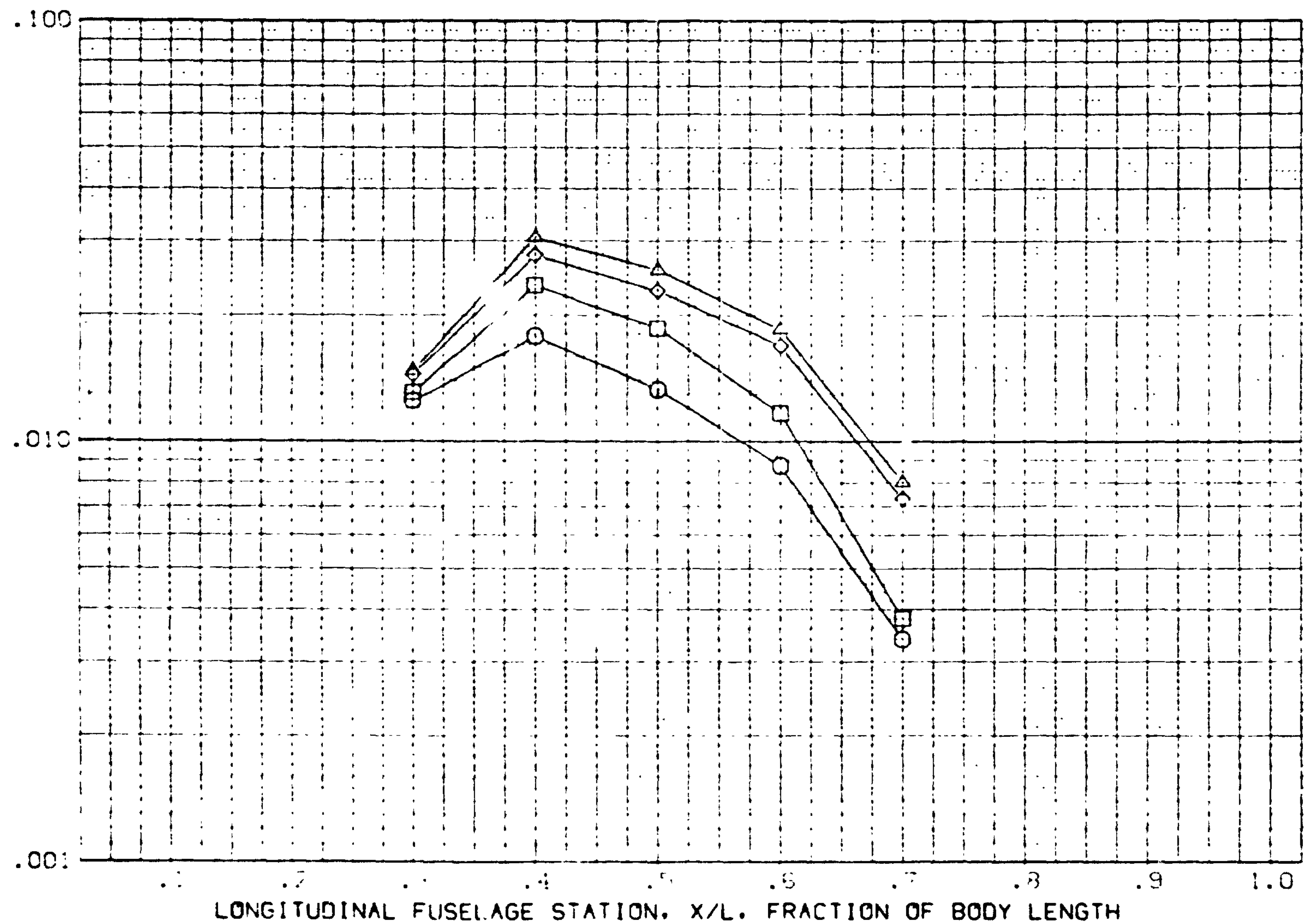


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

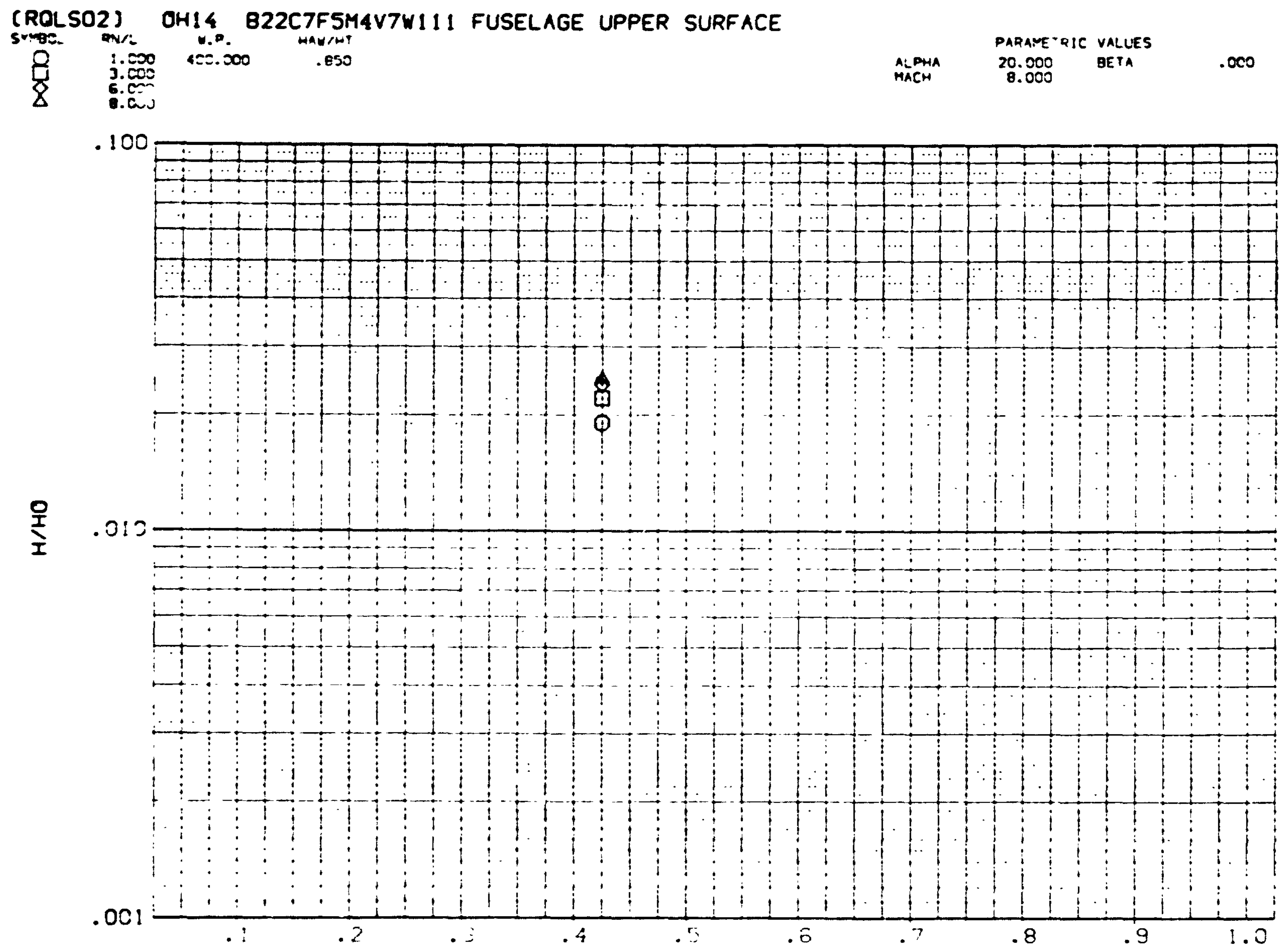


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLS02) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	425.000	.850
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLS02) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	465.000	.850
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

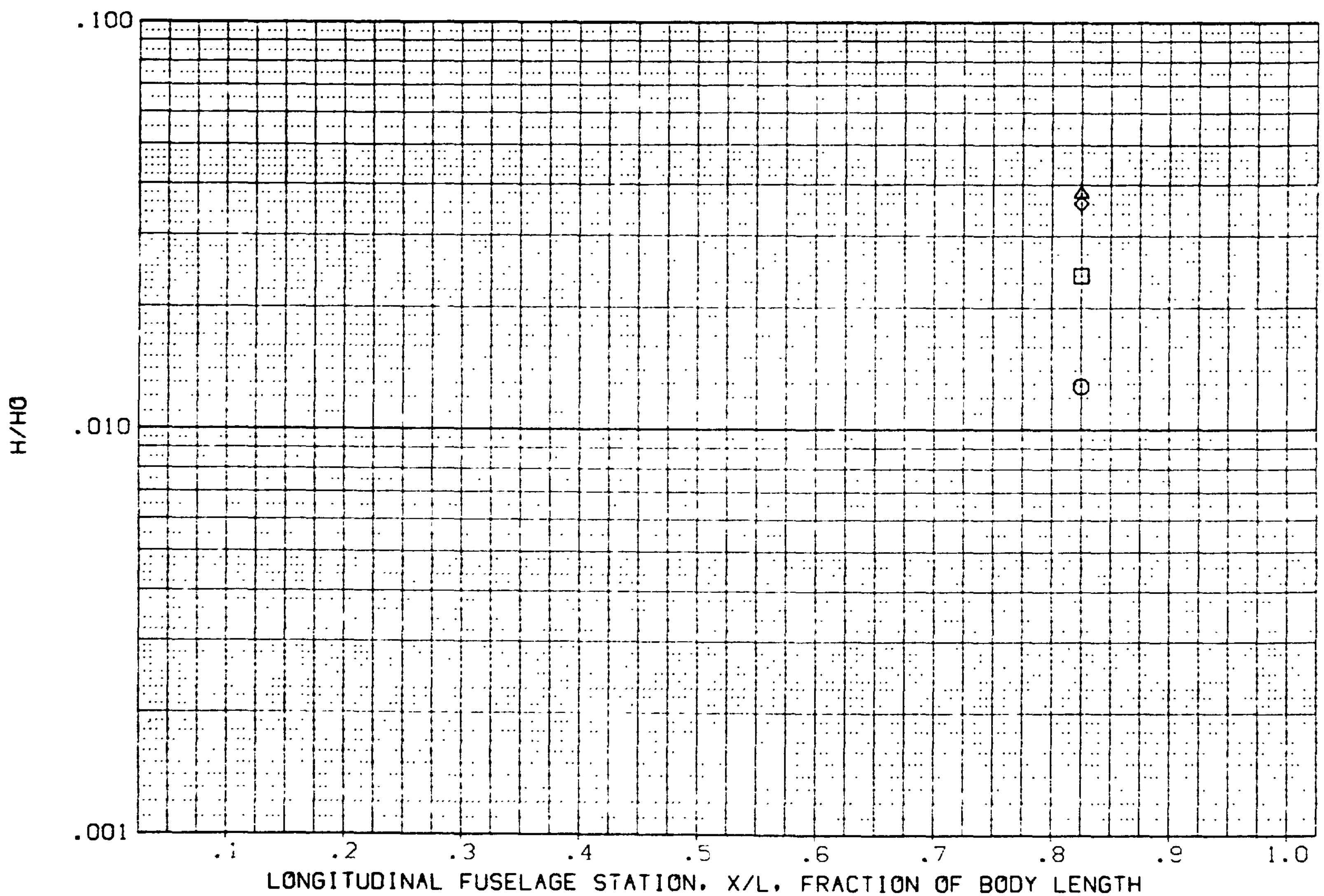


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

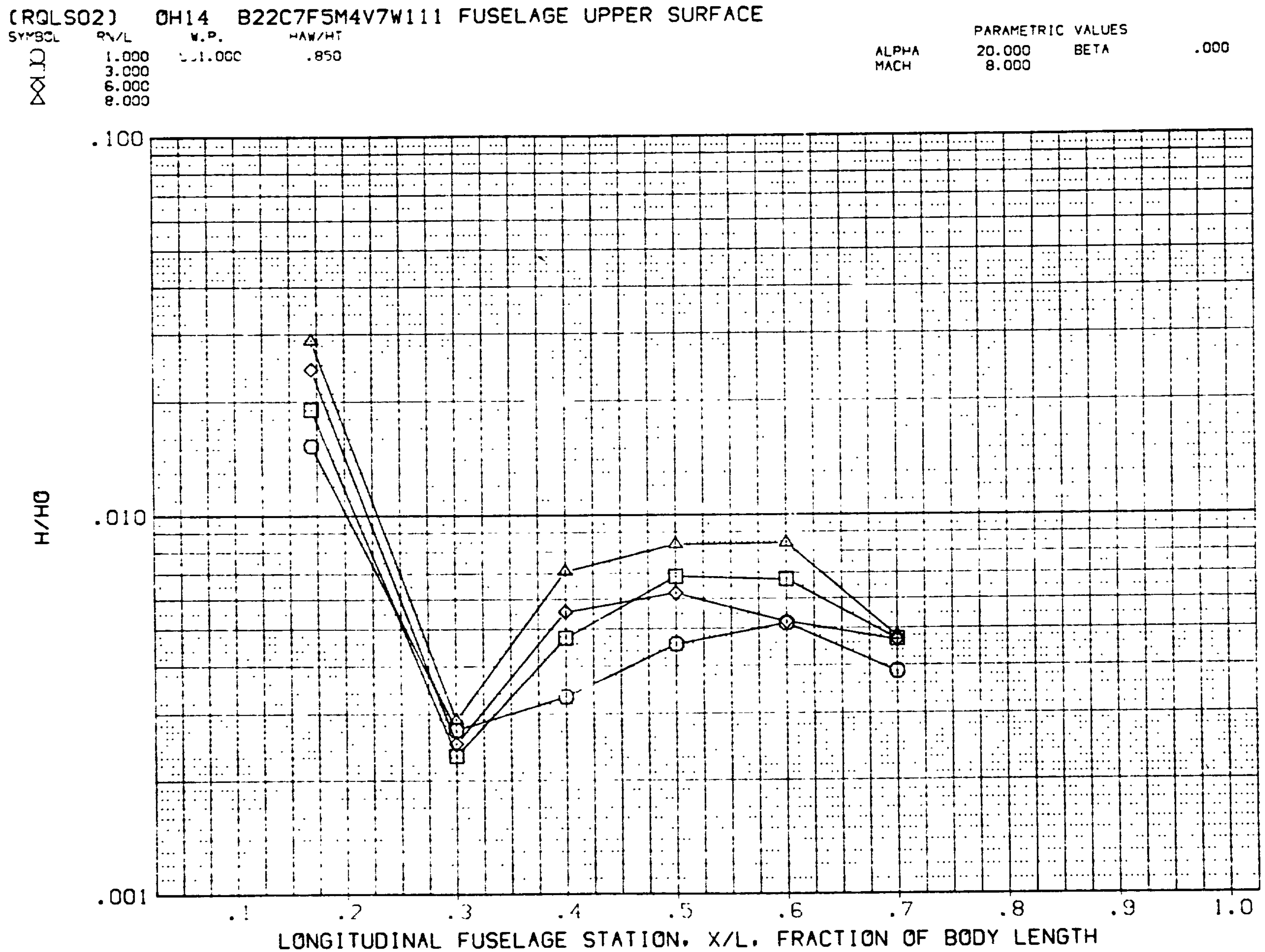


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

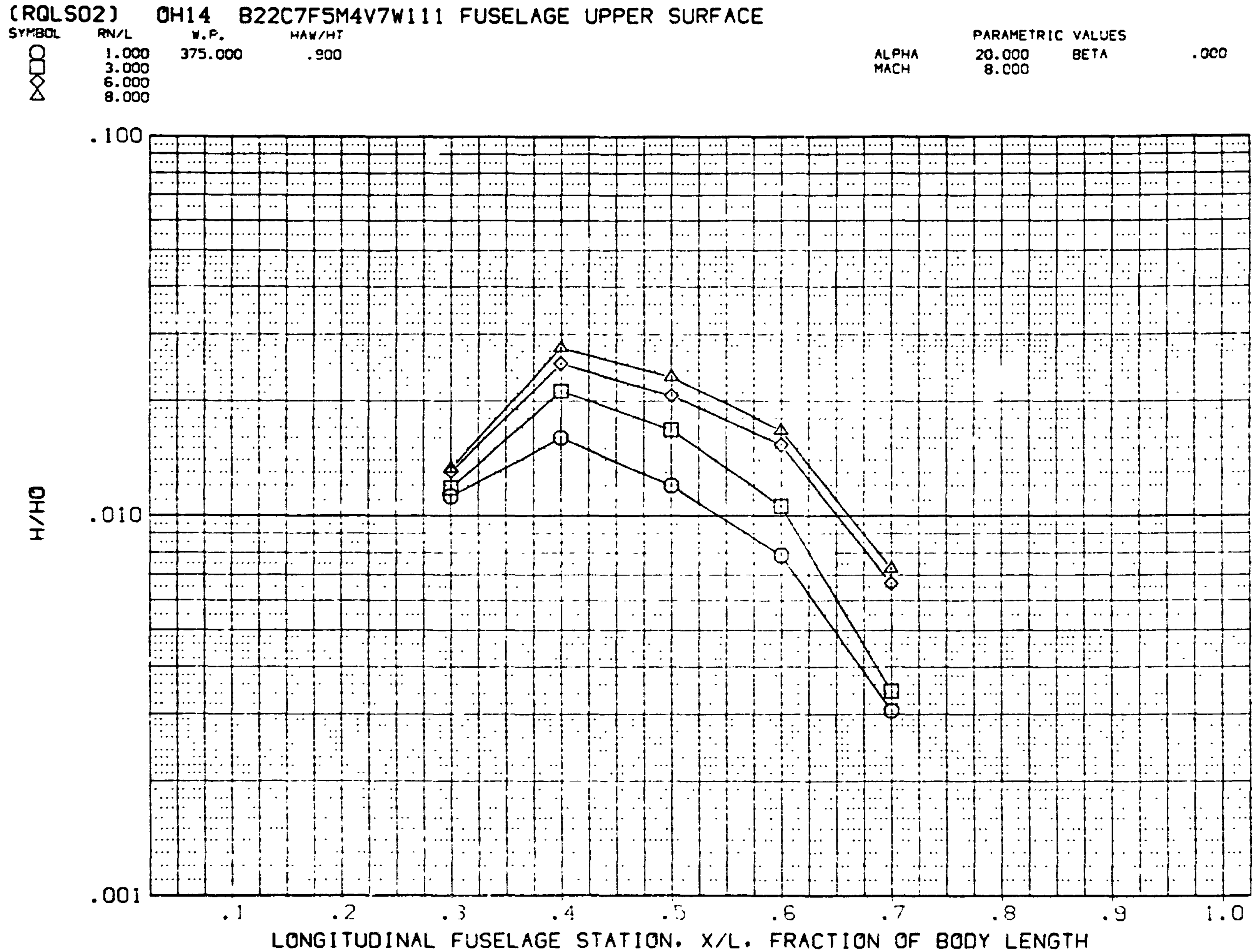


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

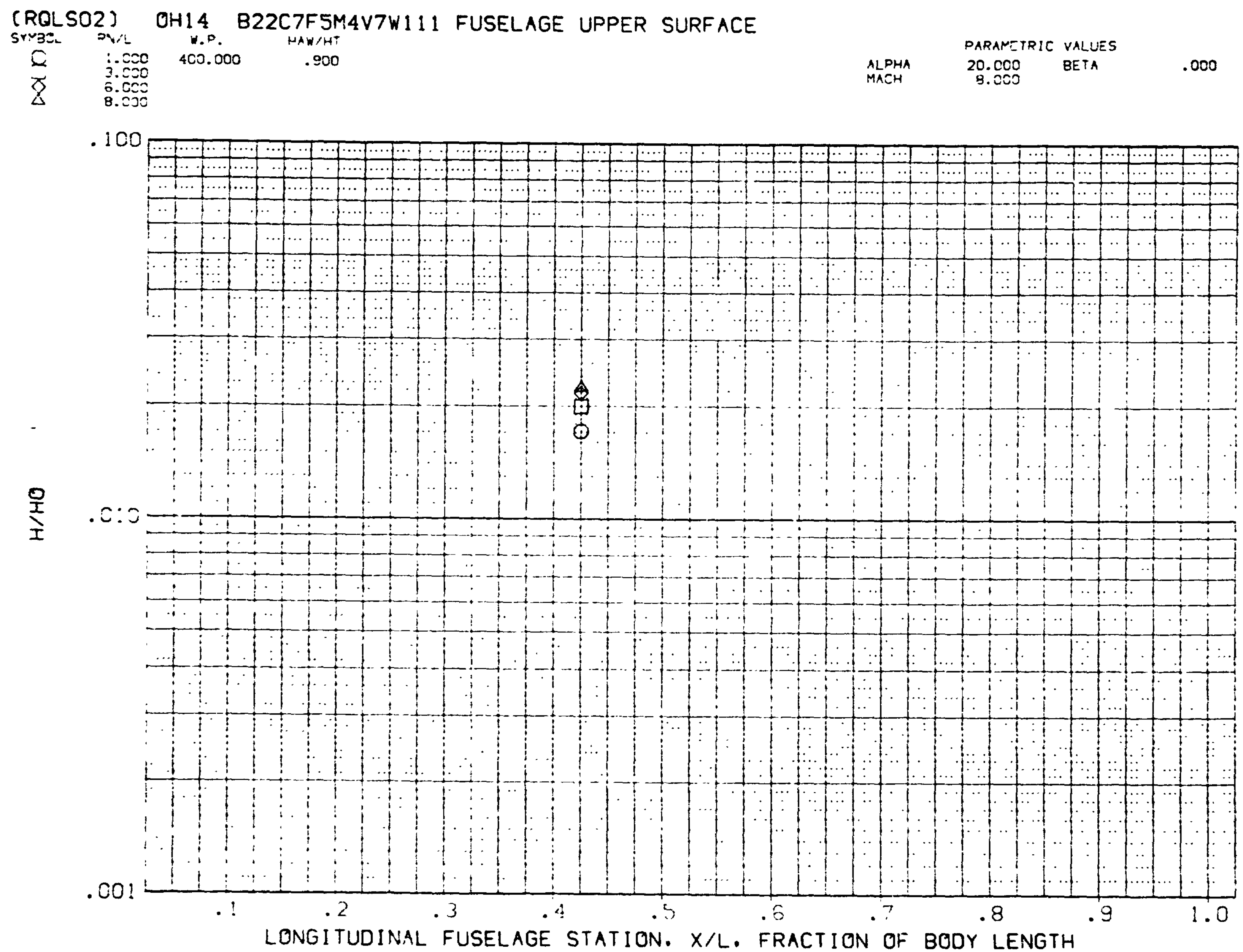


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLS02) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

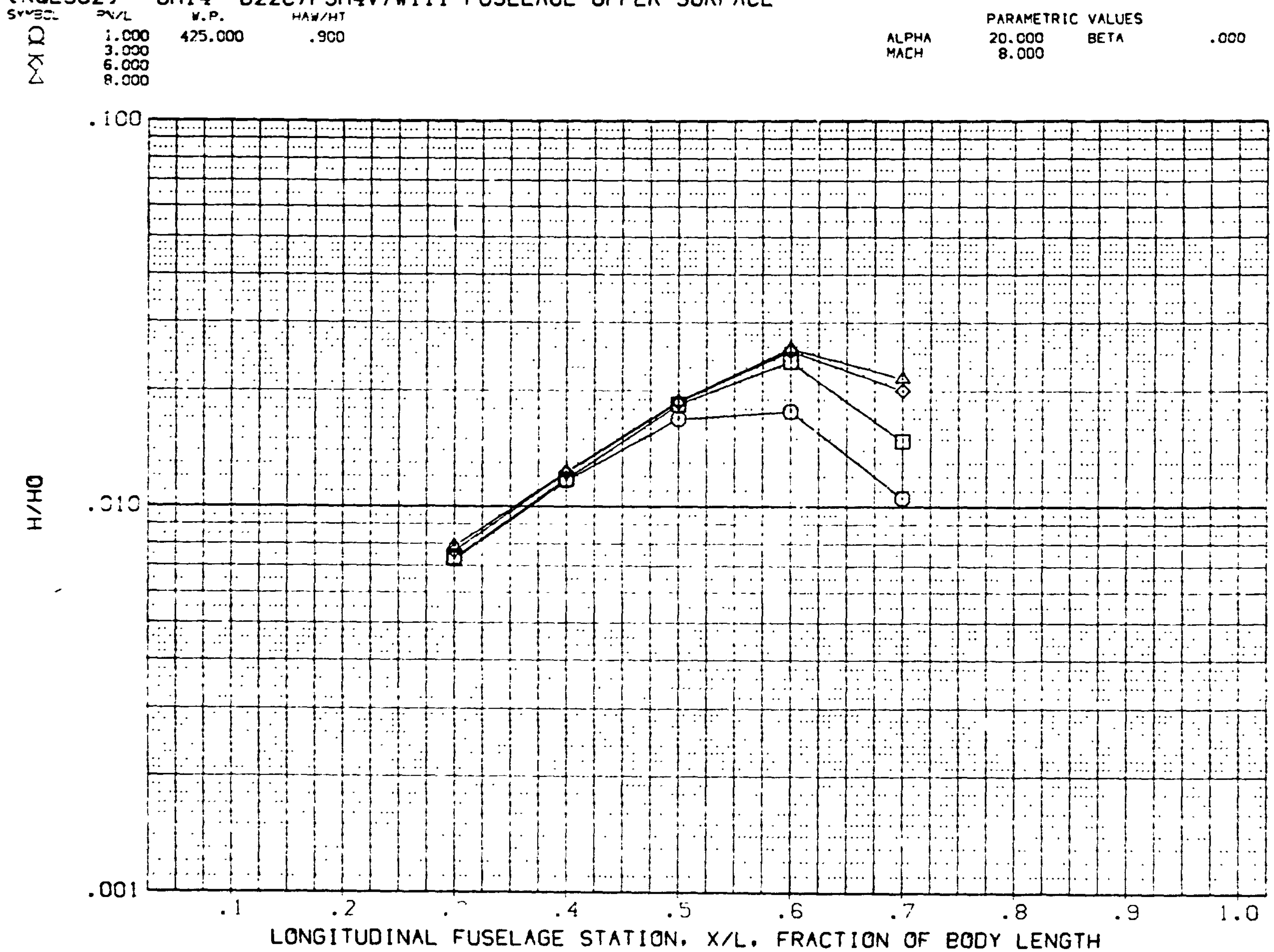


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLS02) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	465.000	.900
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA 20.000 BETA .000
MACH 8.000

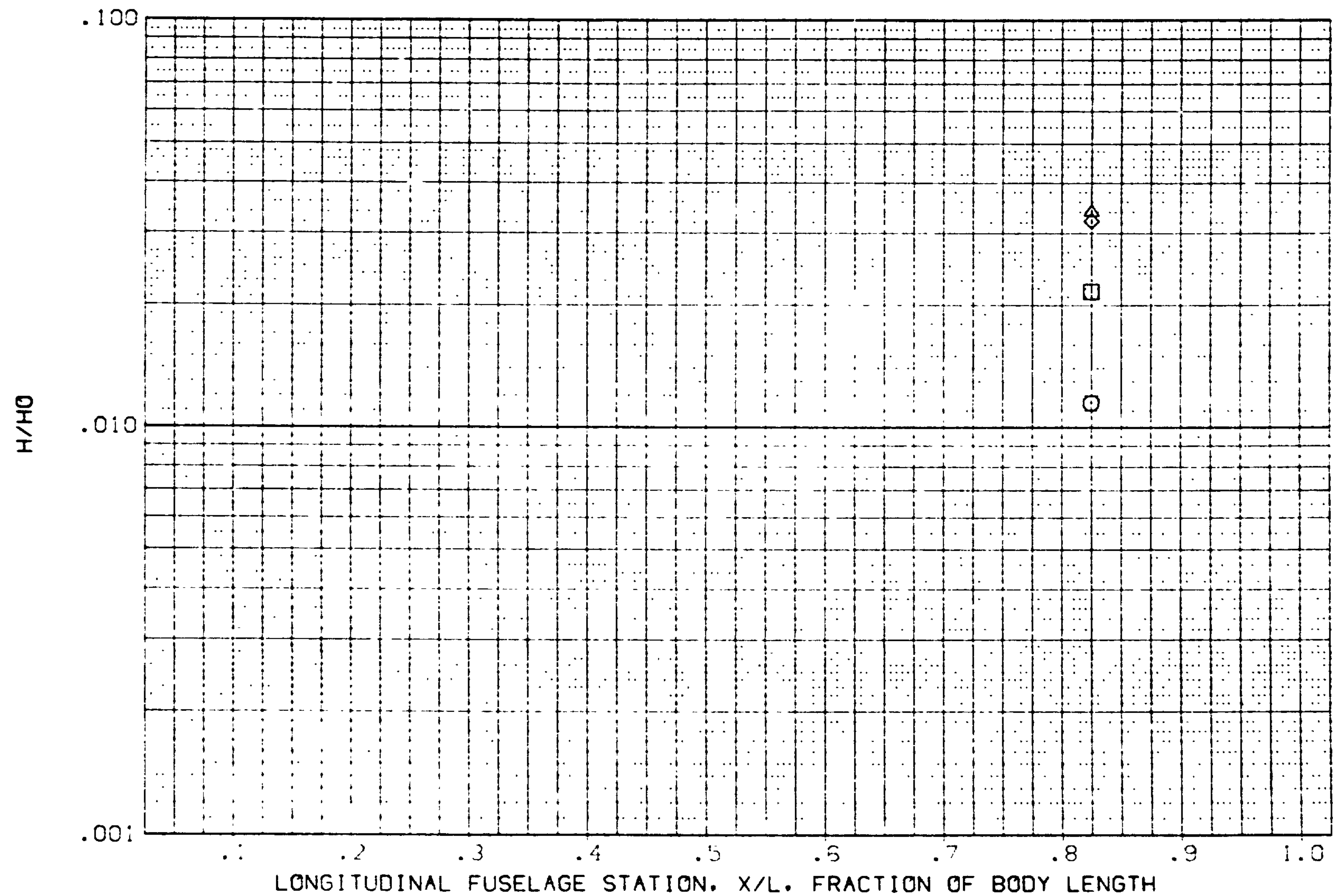


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK

(RQLS02) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	501.000	.900
□	3.000		
◇	6.000		
△	8.000		

PARAMETRIC VALUES

ALPHA	20.000	BETA	.000
MACH	8.000		

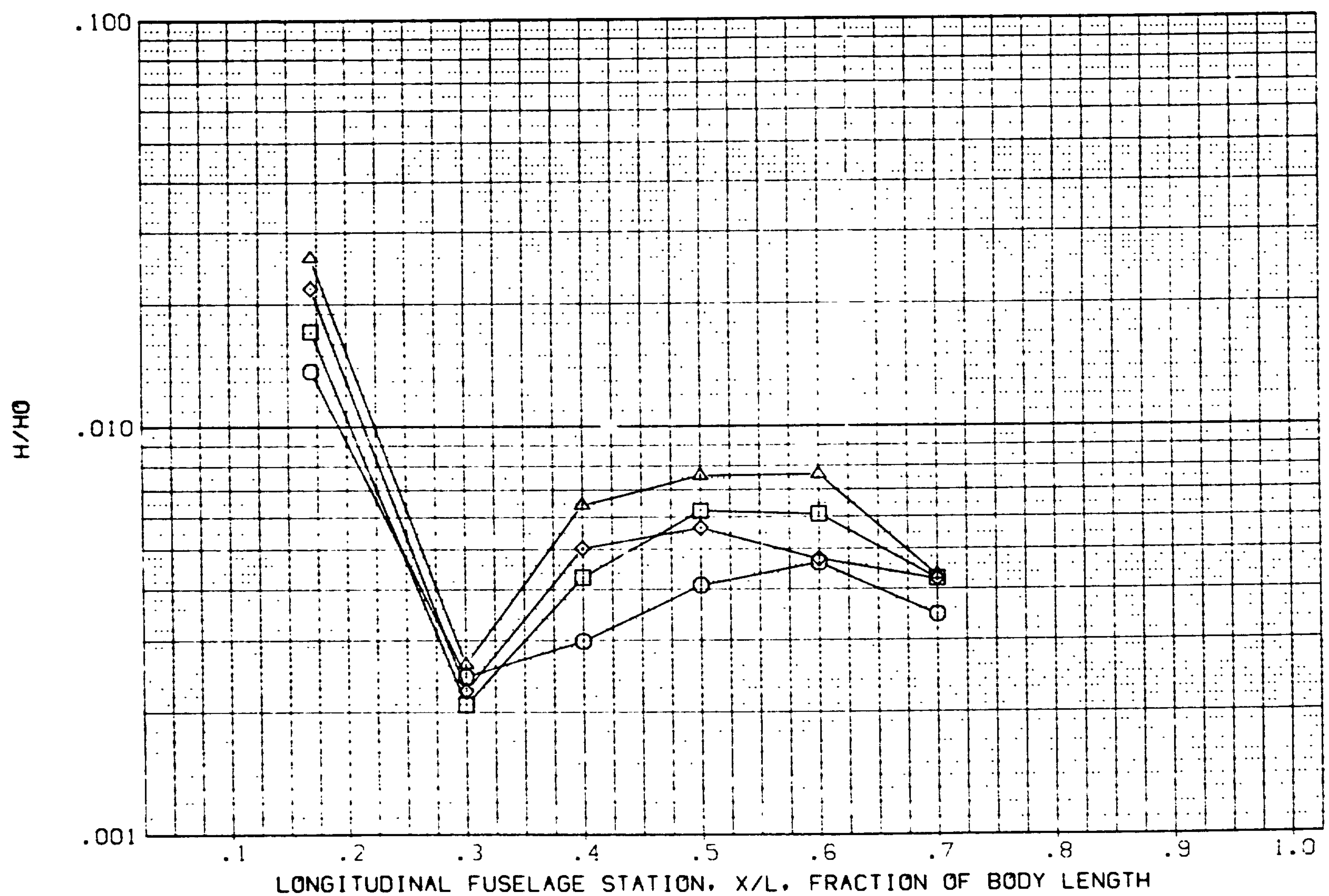
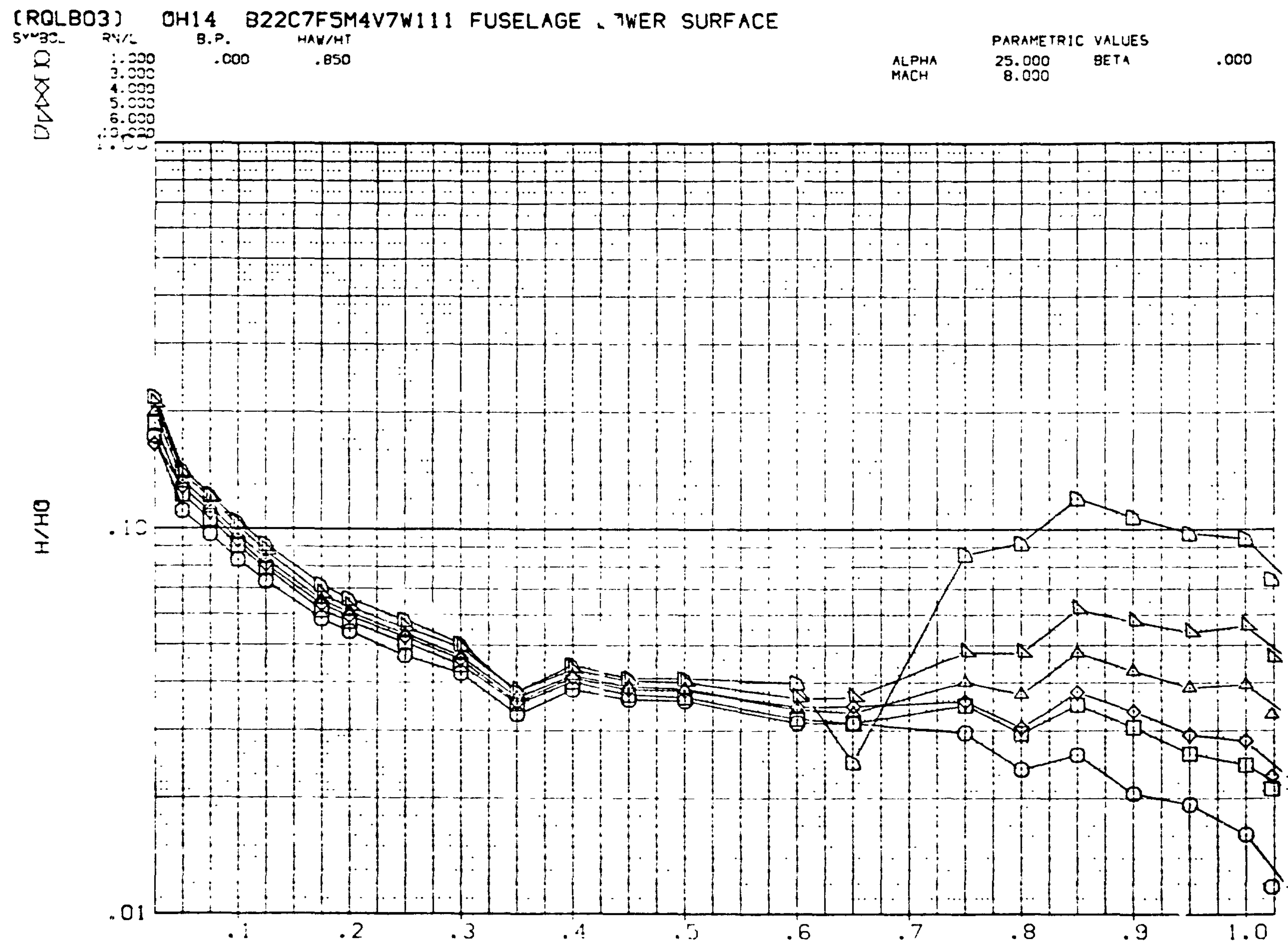


FIG 21 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 20 DEG. ANGLE OF ATTACK



LONGITUDINAL FUSELAGE STATION. X/L. FRACTION OF BODY LENGTH

FIG 22 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

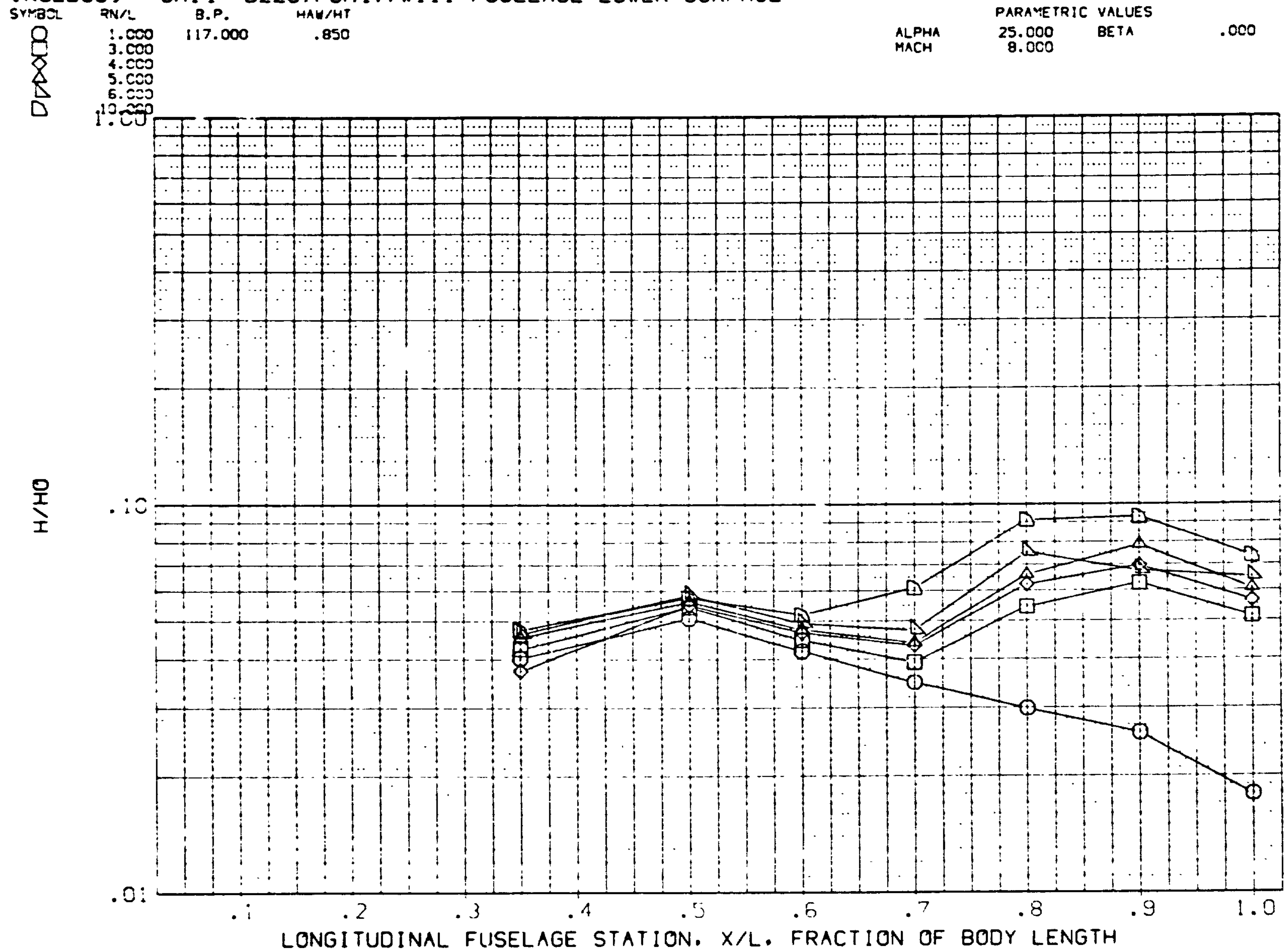


FIG 22 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

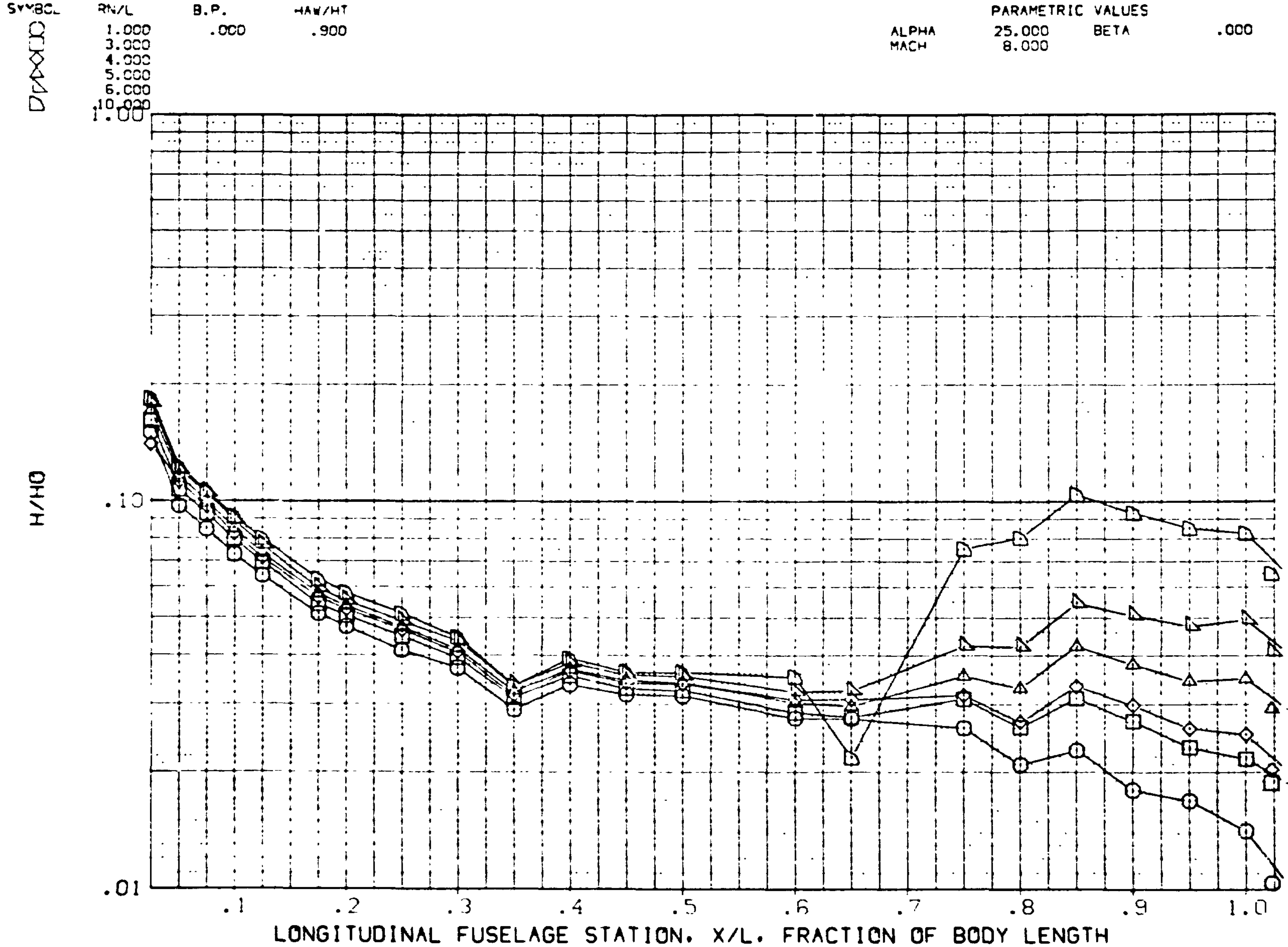


FIG 22 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLB03) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

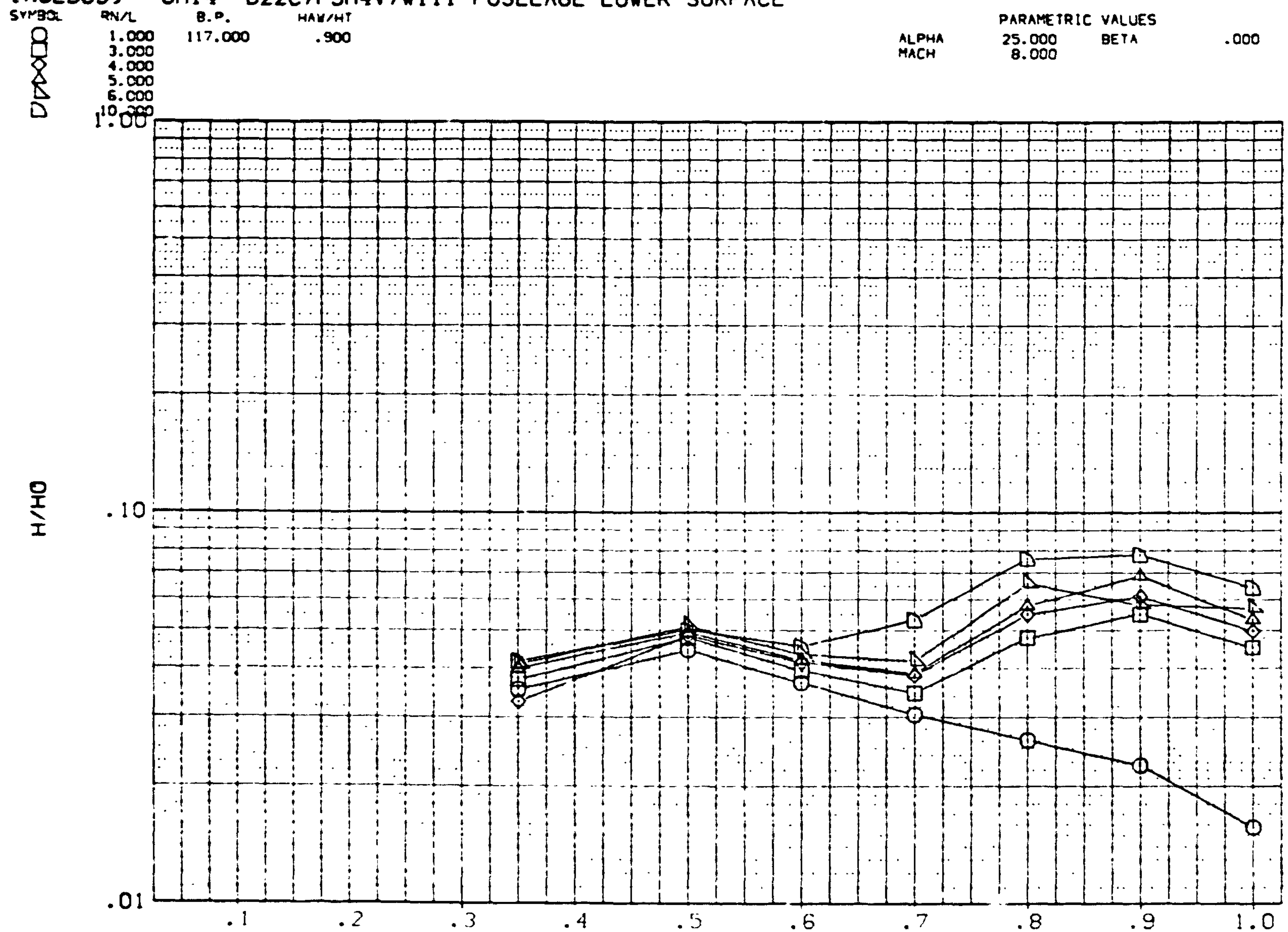


FIG 22 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

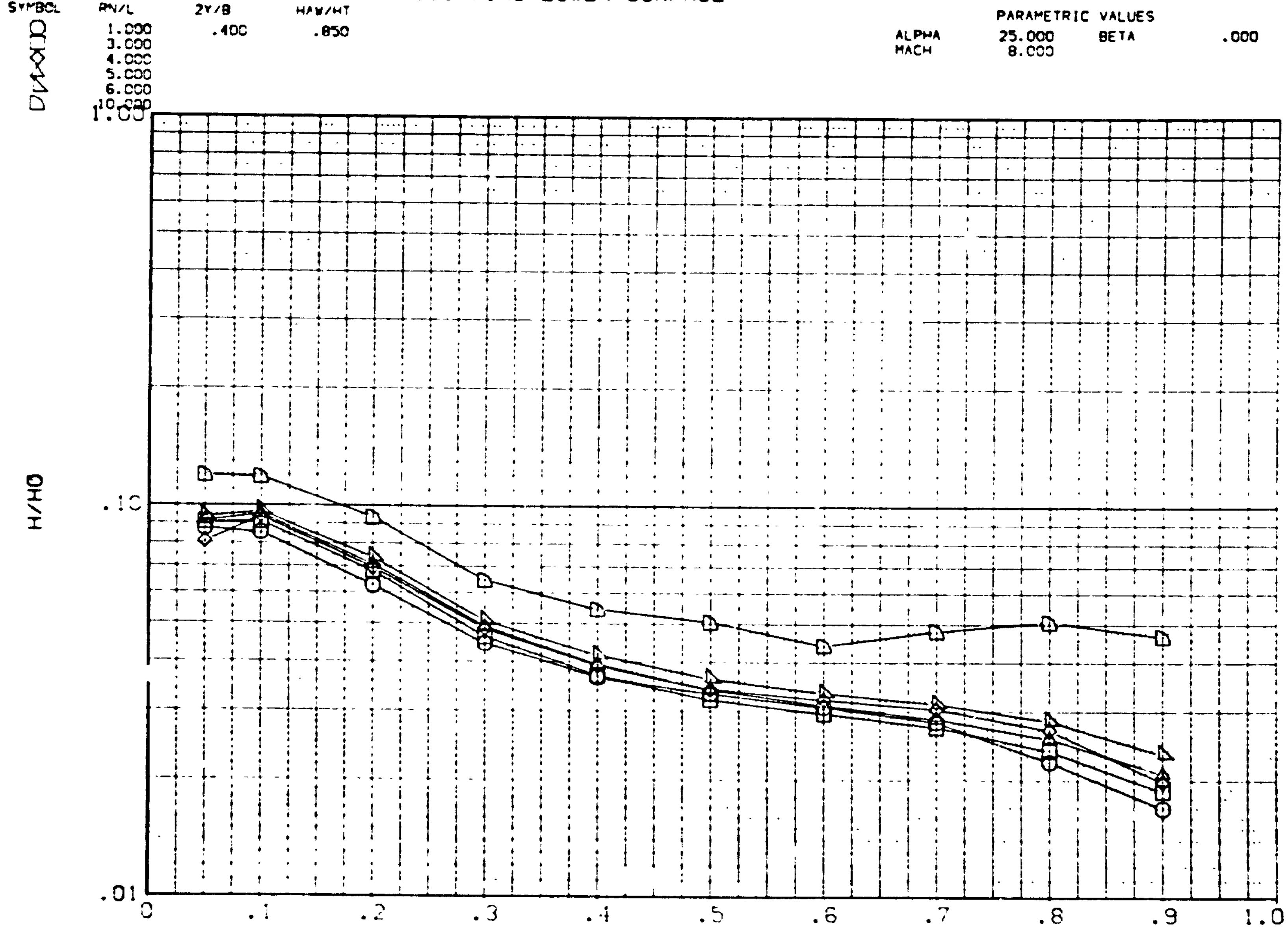


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

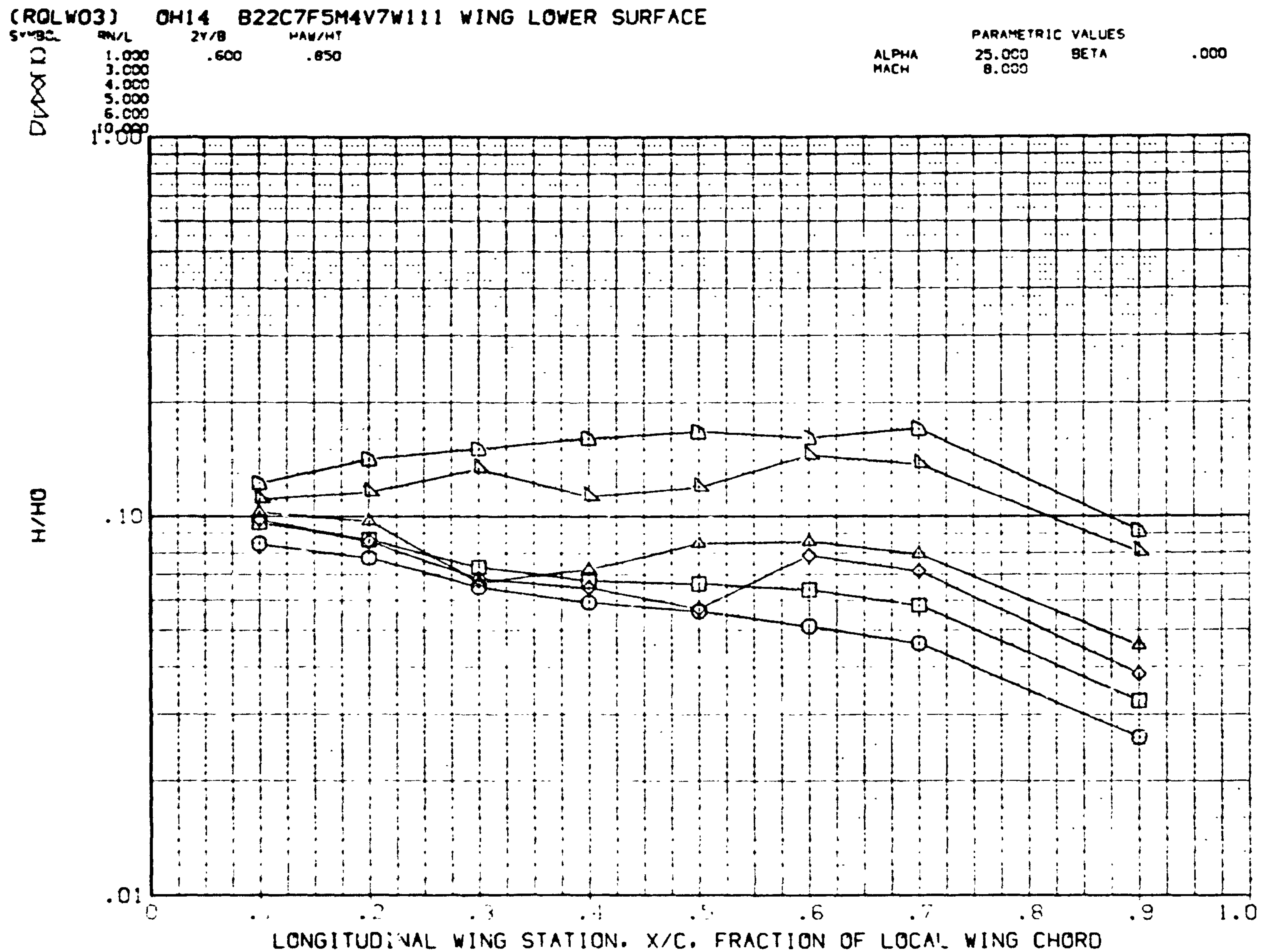


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

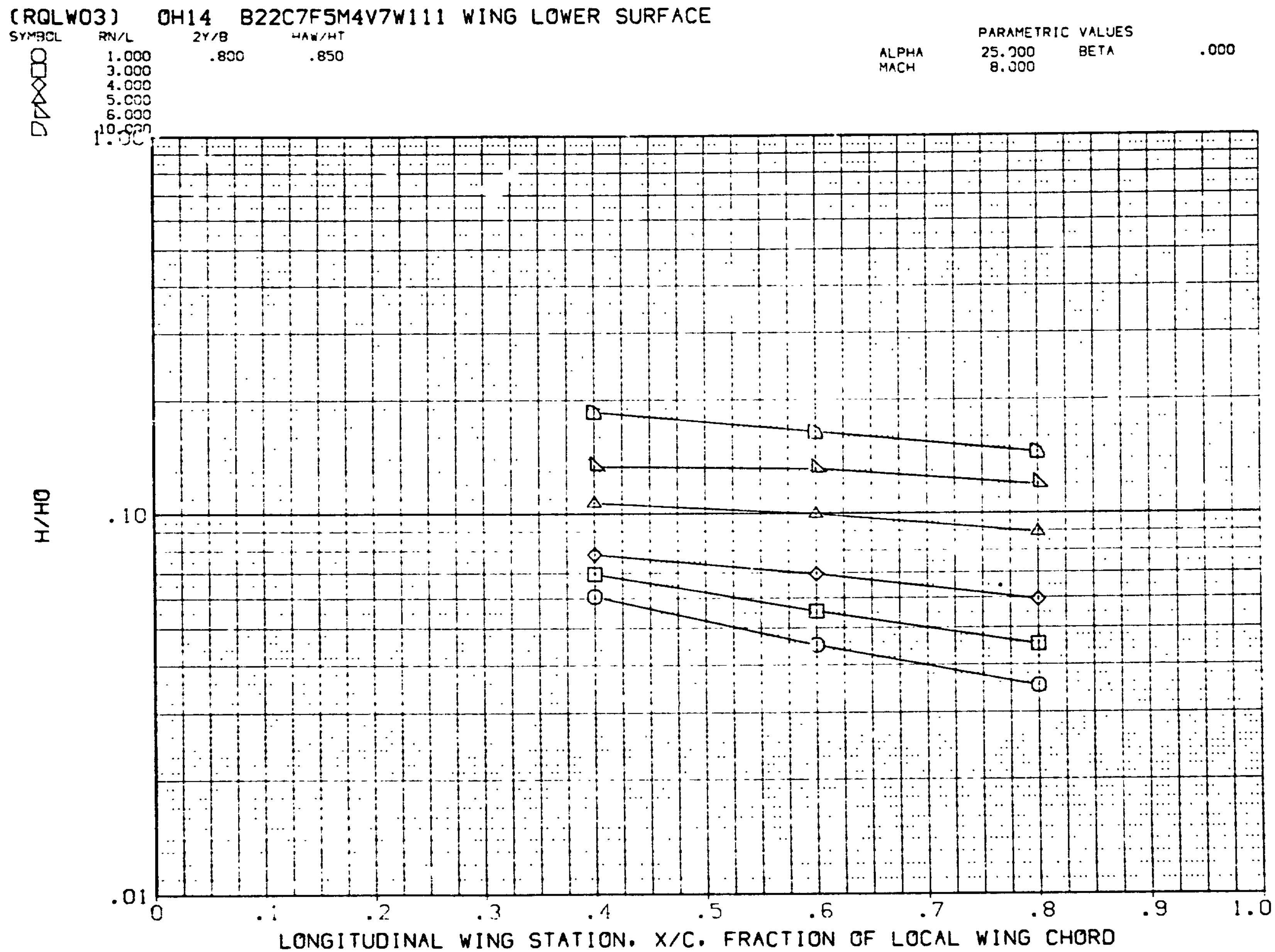


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

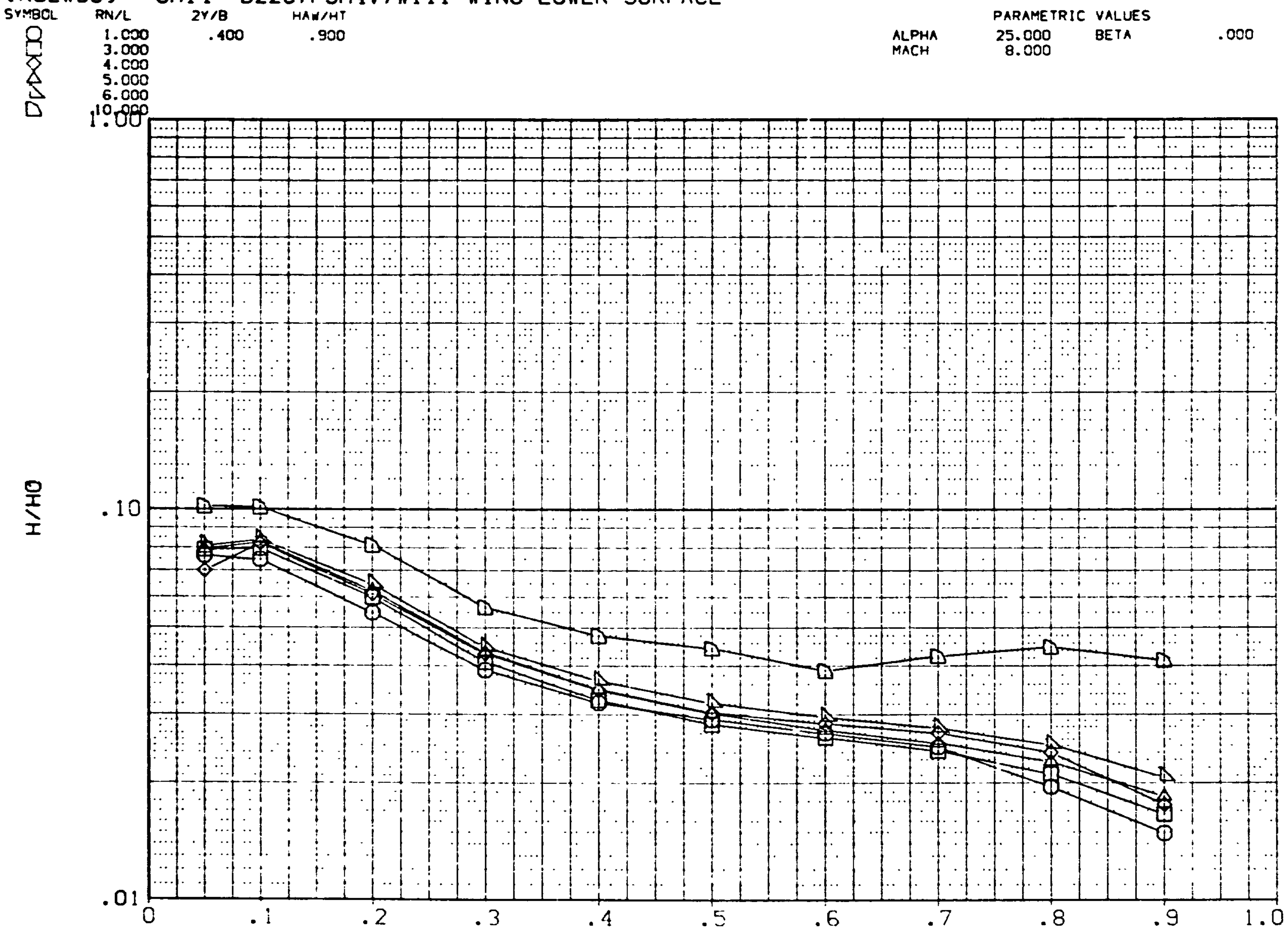


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	1.000	.600	.900
□	3.000		
◇	4.000		
△	5.000		
◺	6.000		
⌂	10.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

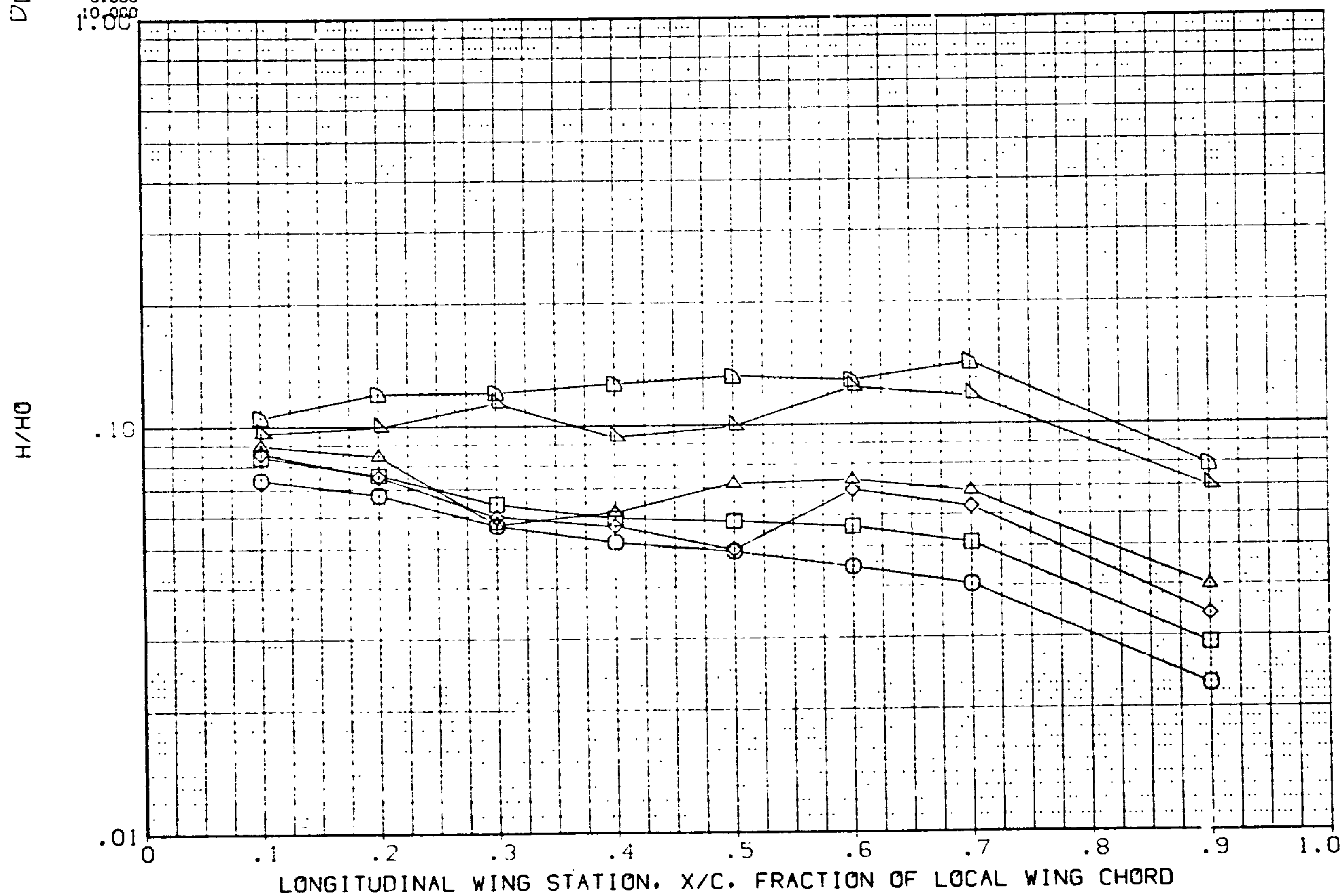


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

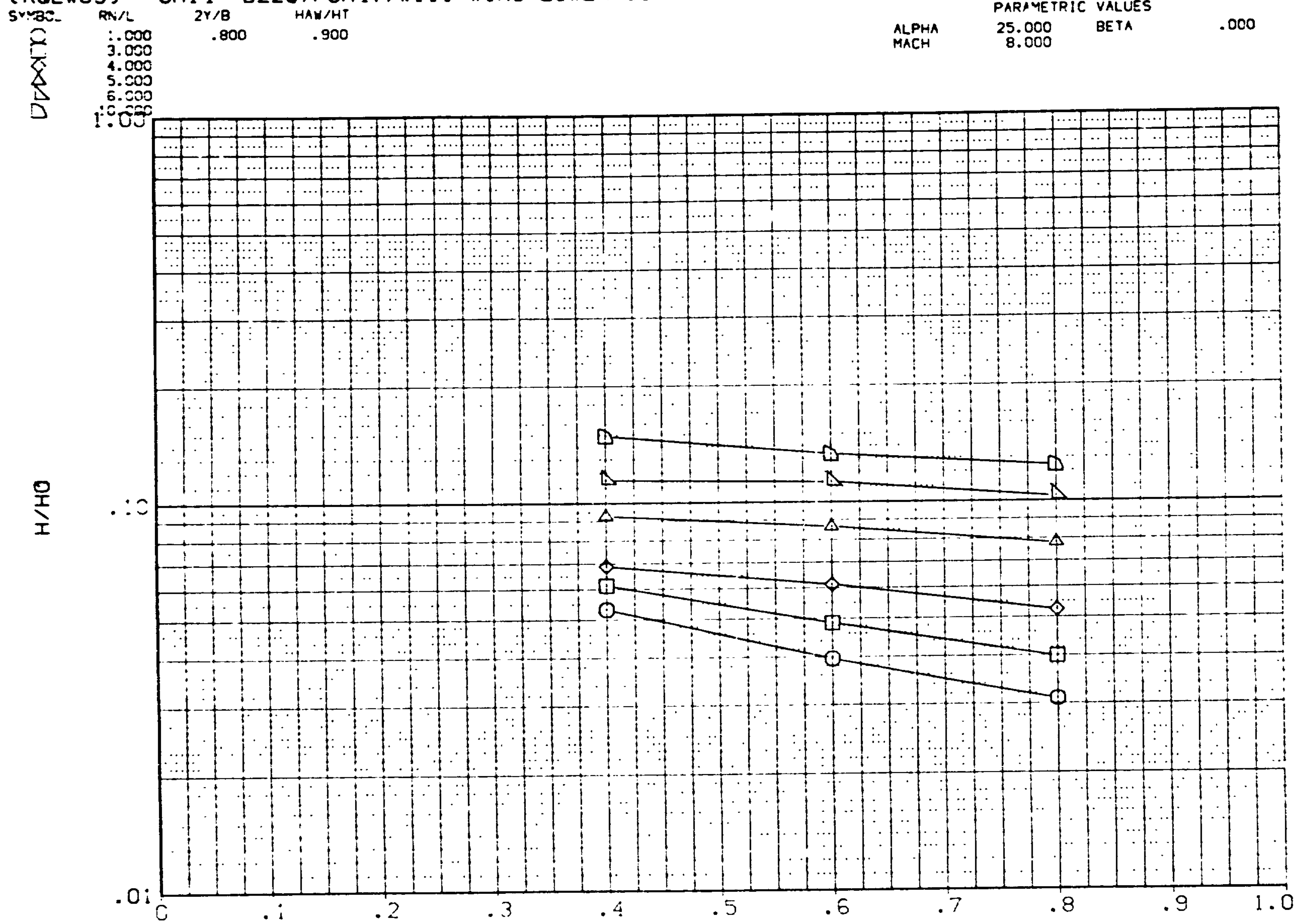


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

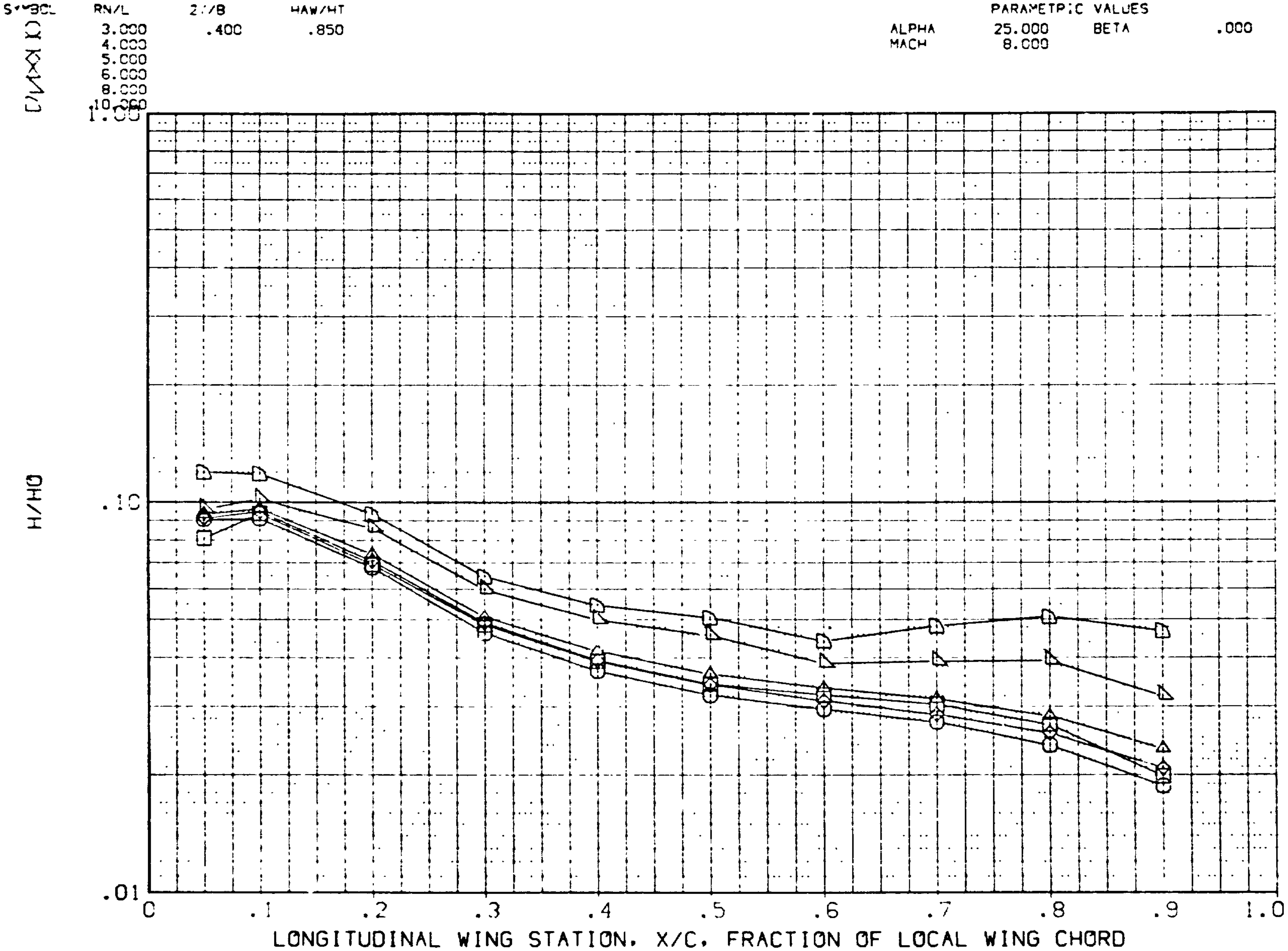


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

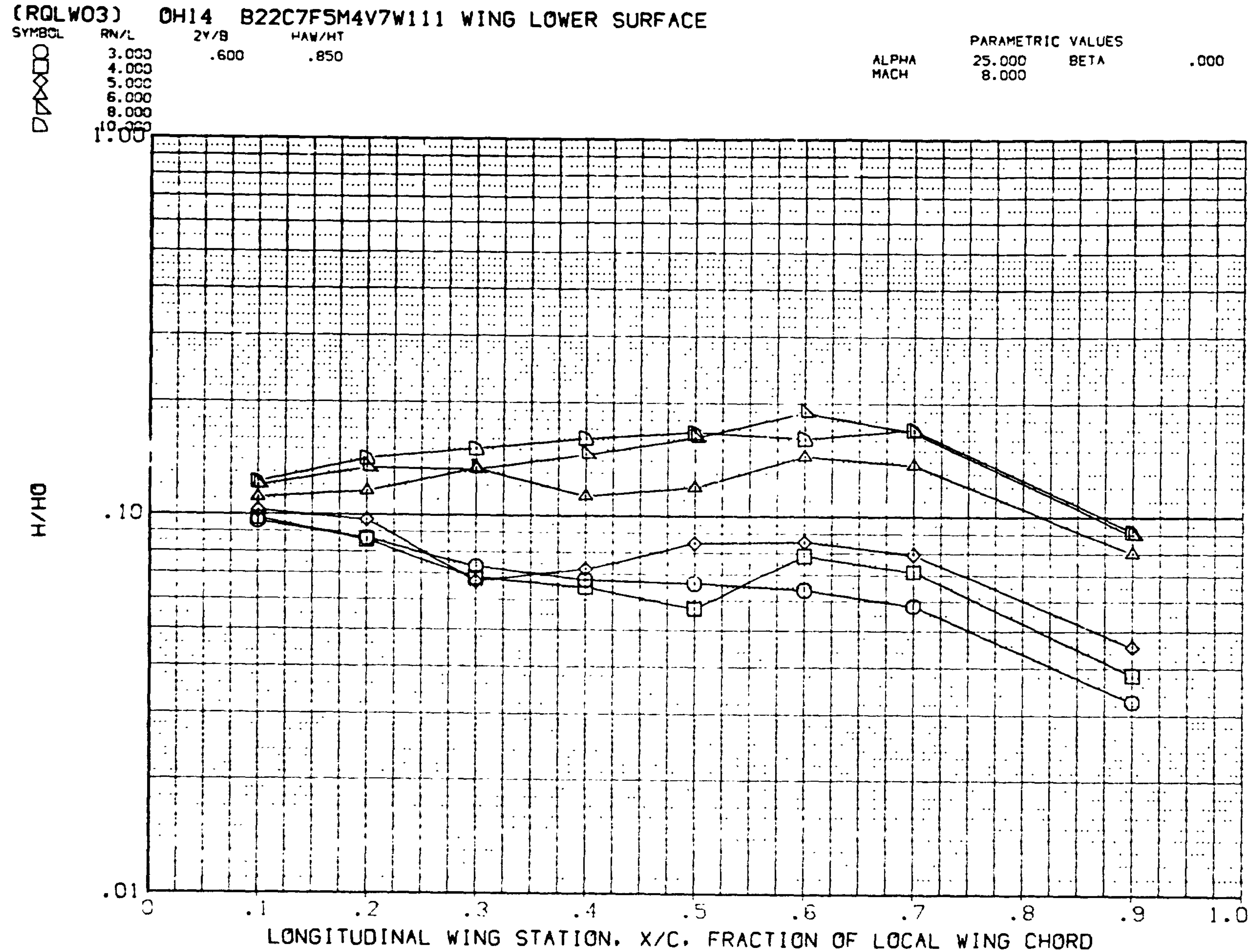


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

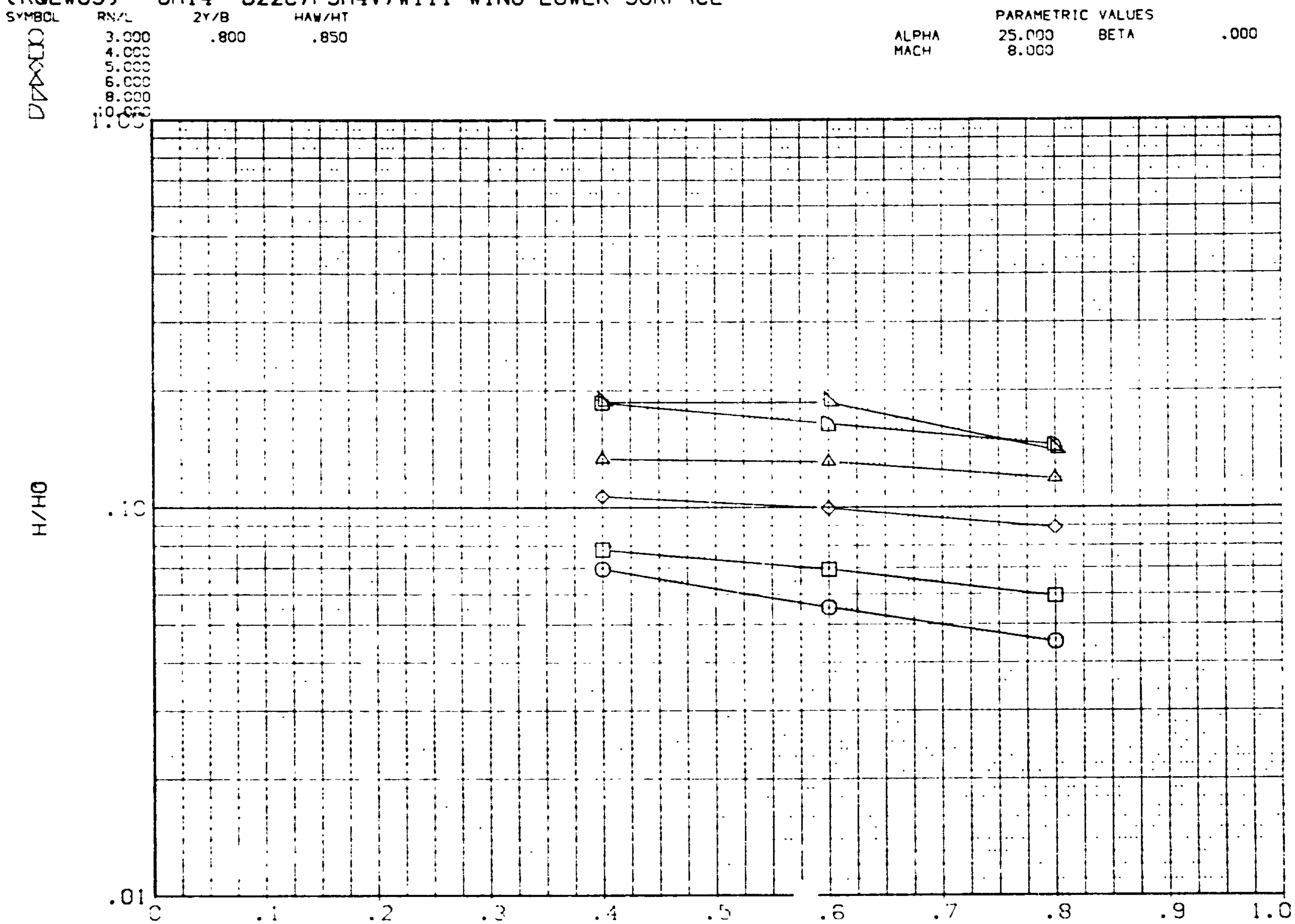


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

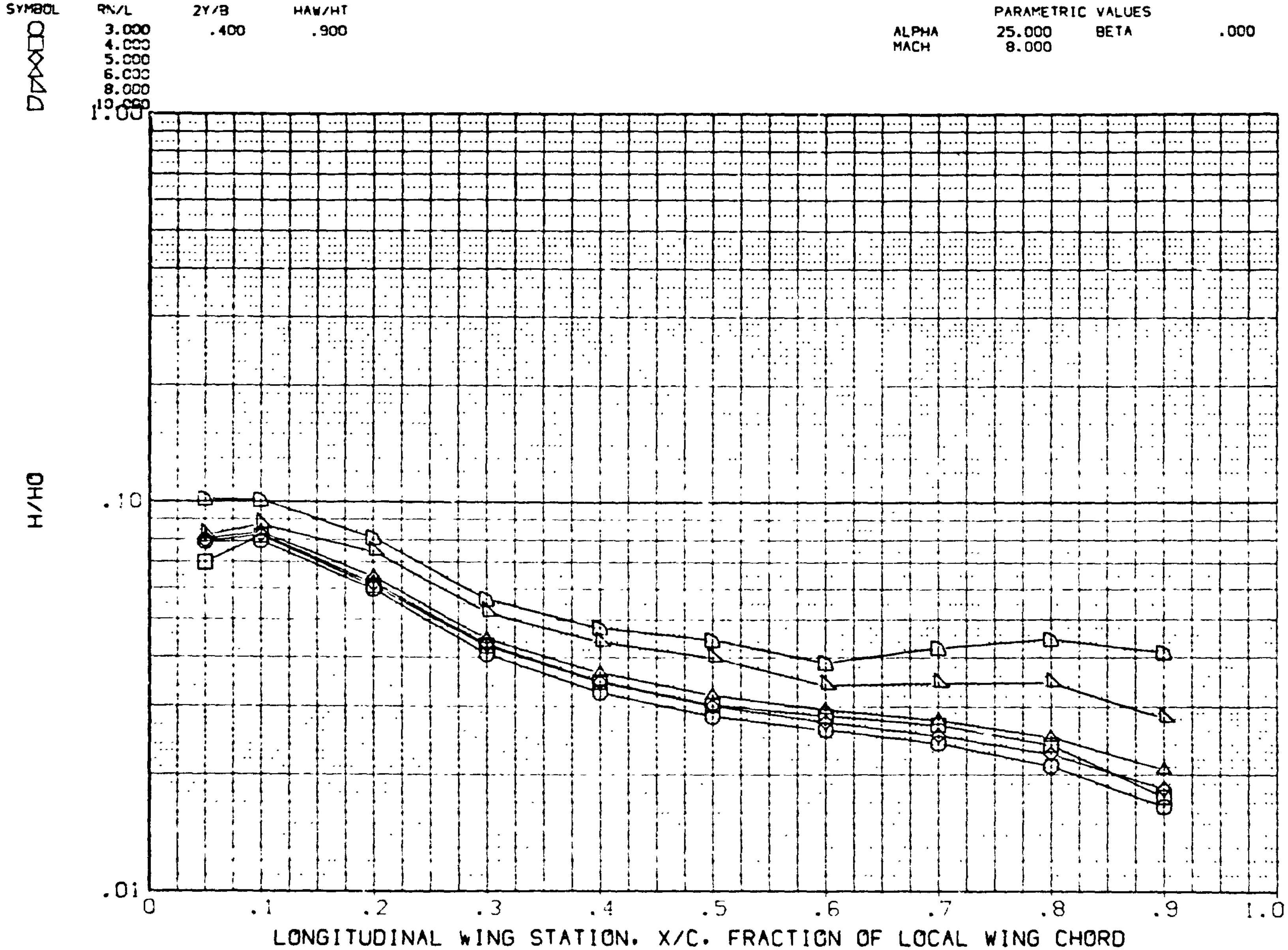


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

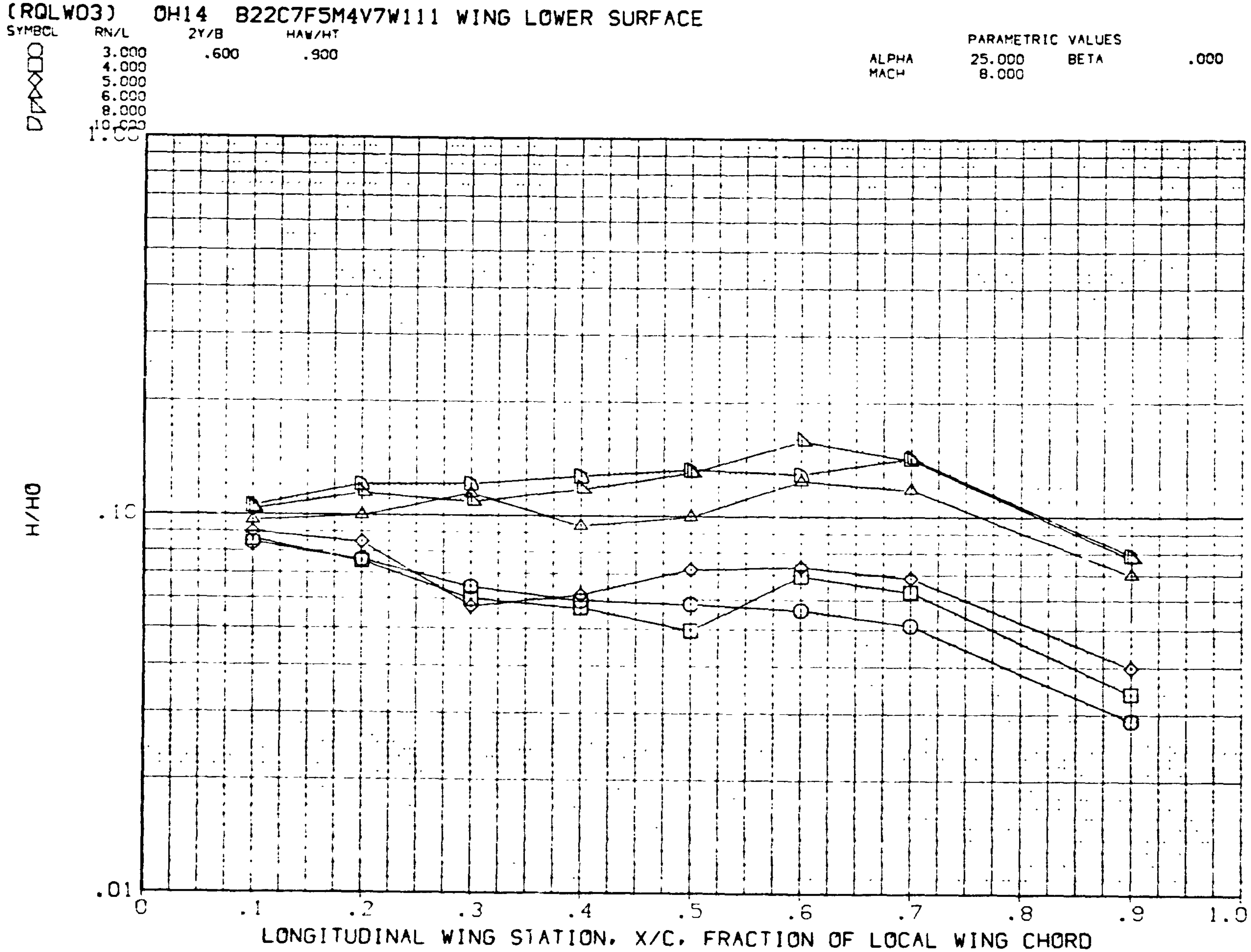


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLW03) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

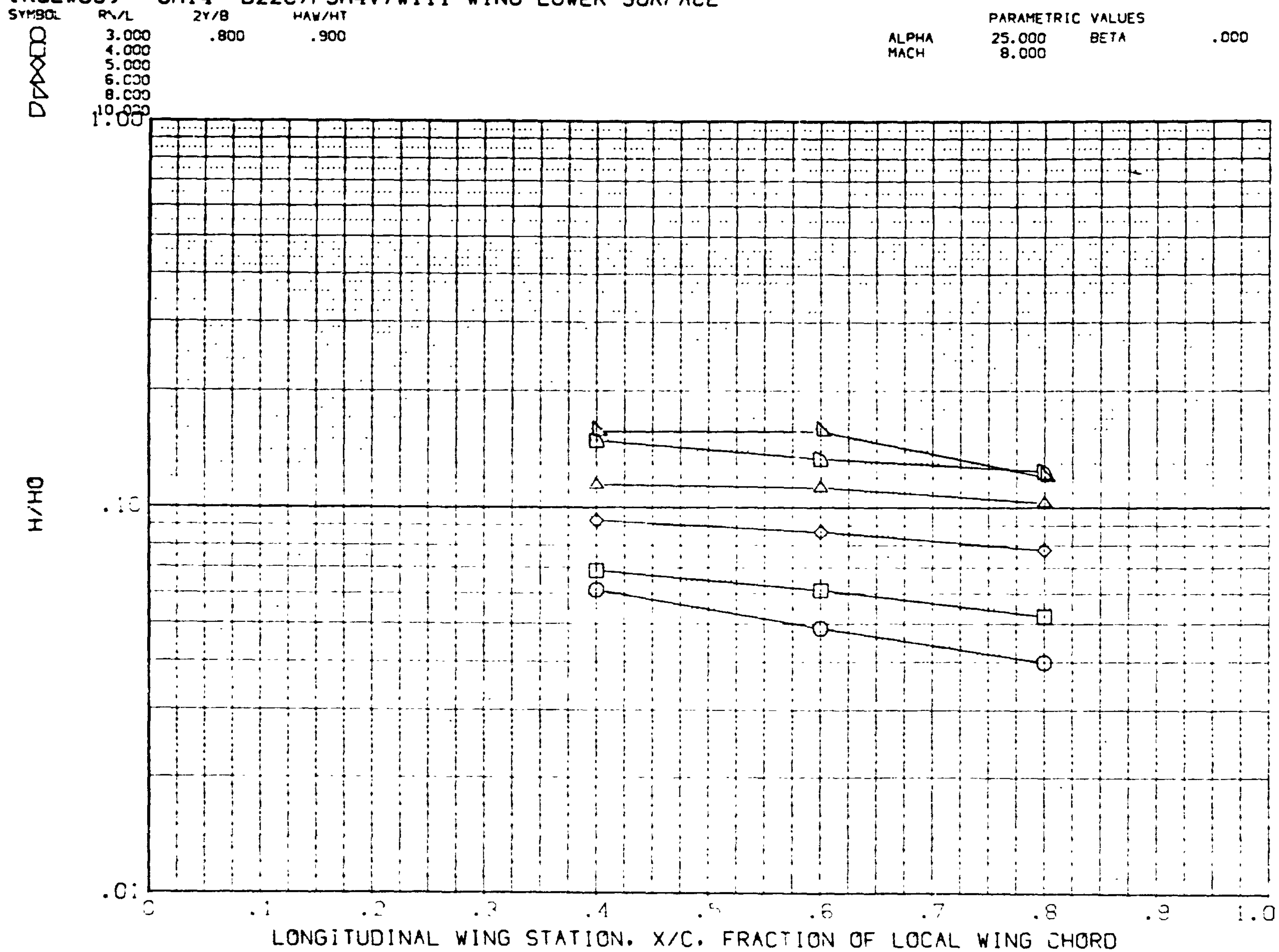


FIG 23 VARIATION OF RN/L ON WING LOWER SURFACE AT 25 DEG. ANGLE OF ATTACK

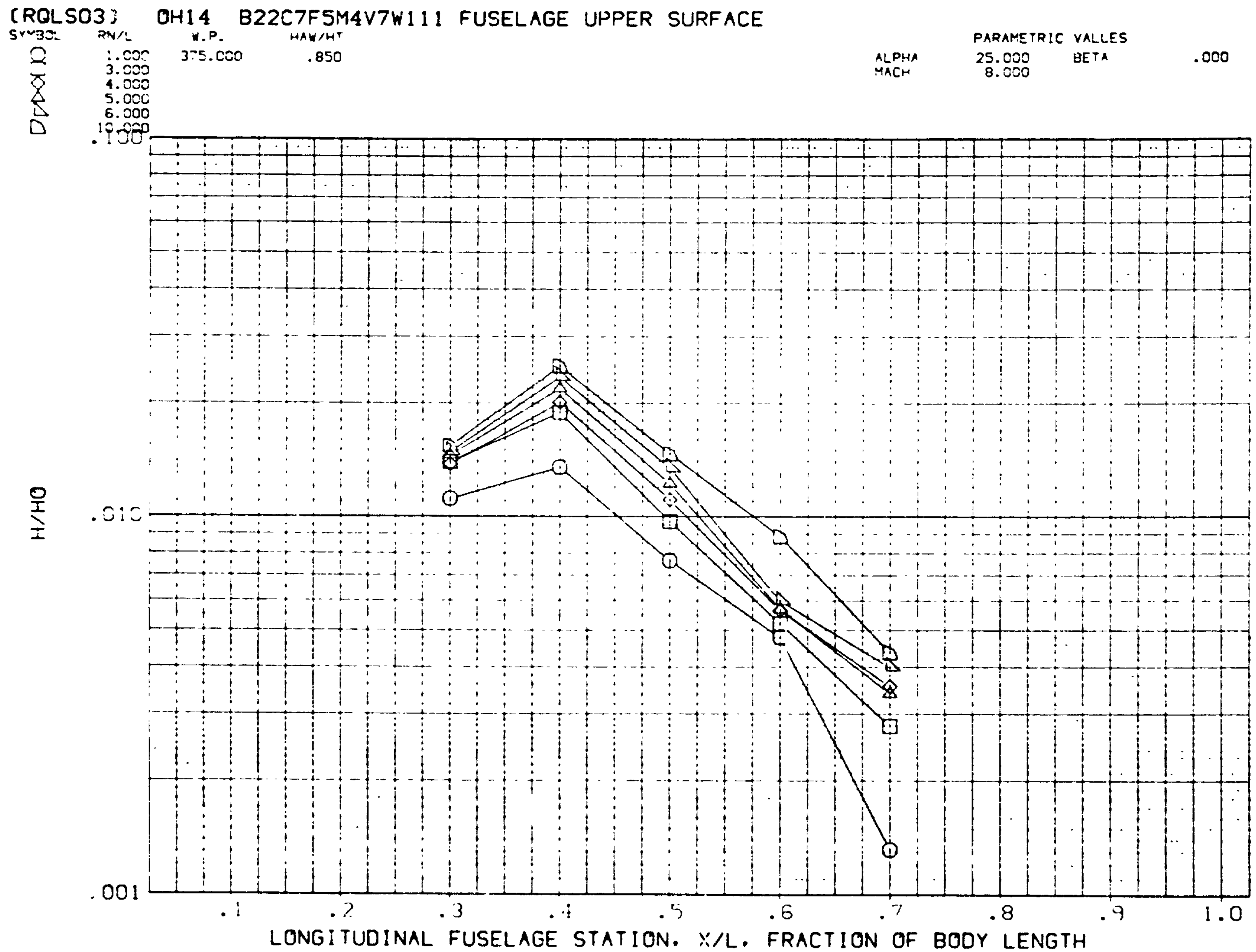


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	400.000	.850
□	3.000		
◇	4.000		
△	5.000		
◁	6.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

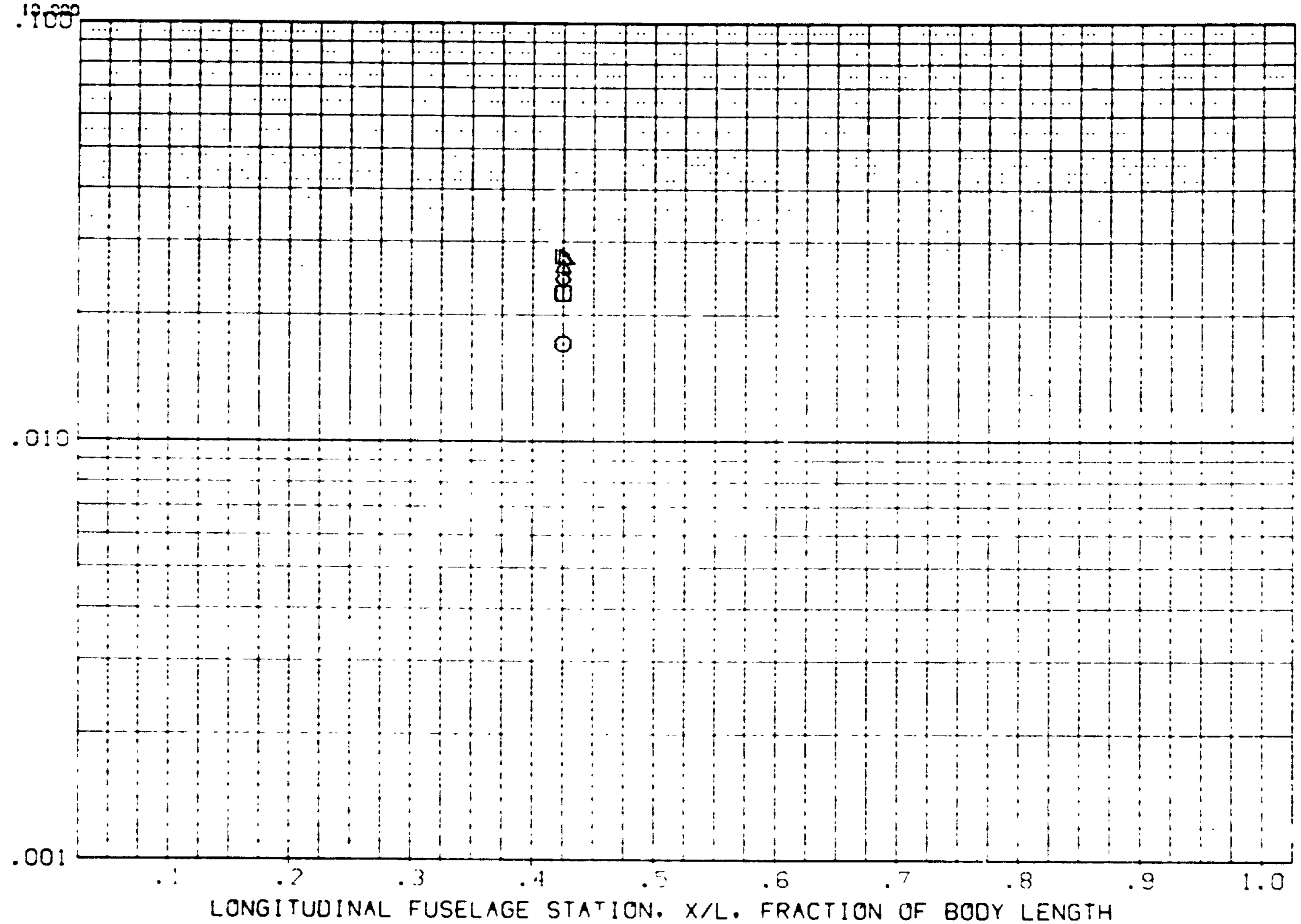


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

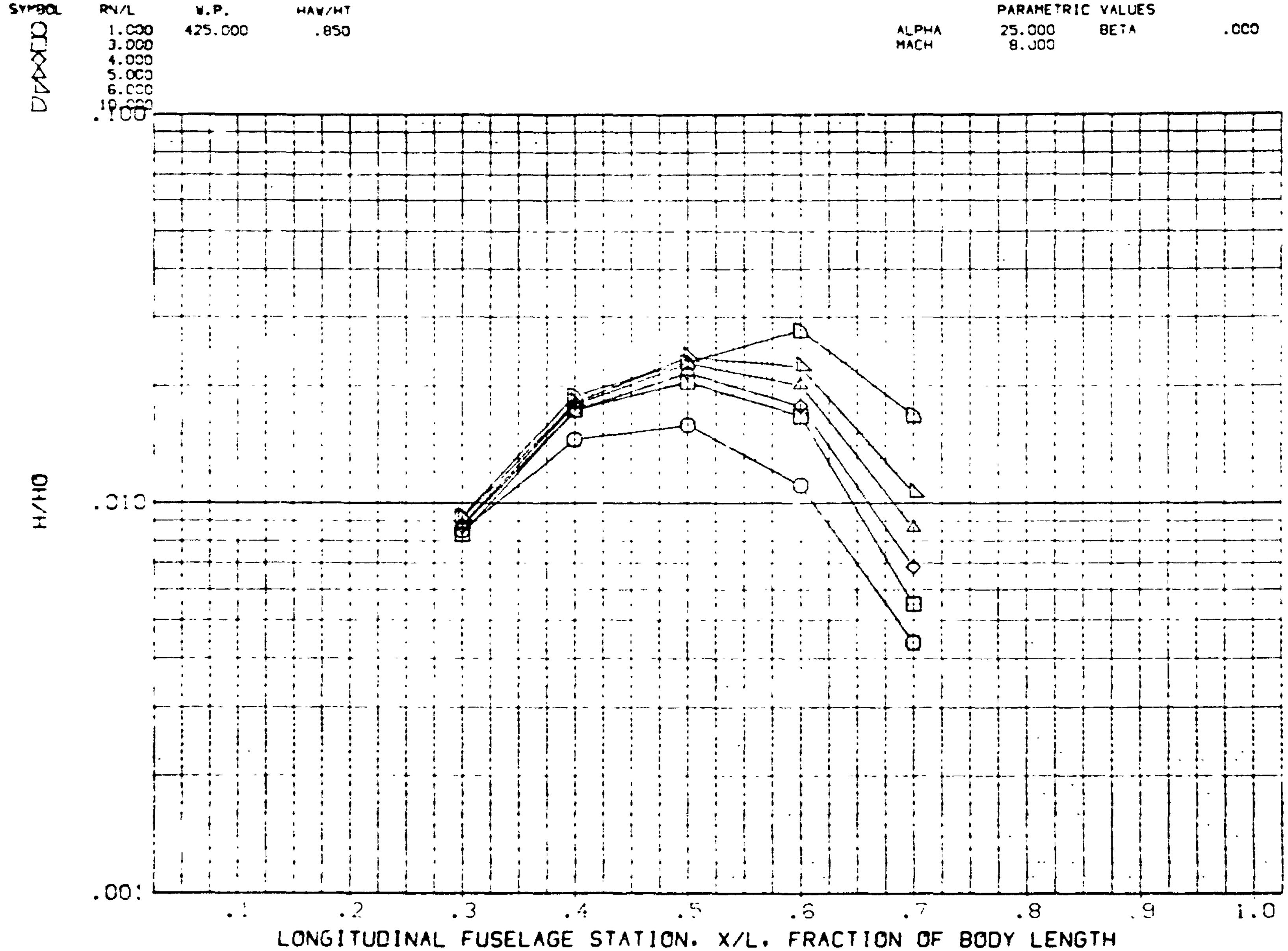


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
	1.000	465.000	.850
	3.000		
	4.000		
	5.000		
	6.000		
	10.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

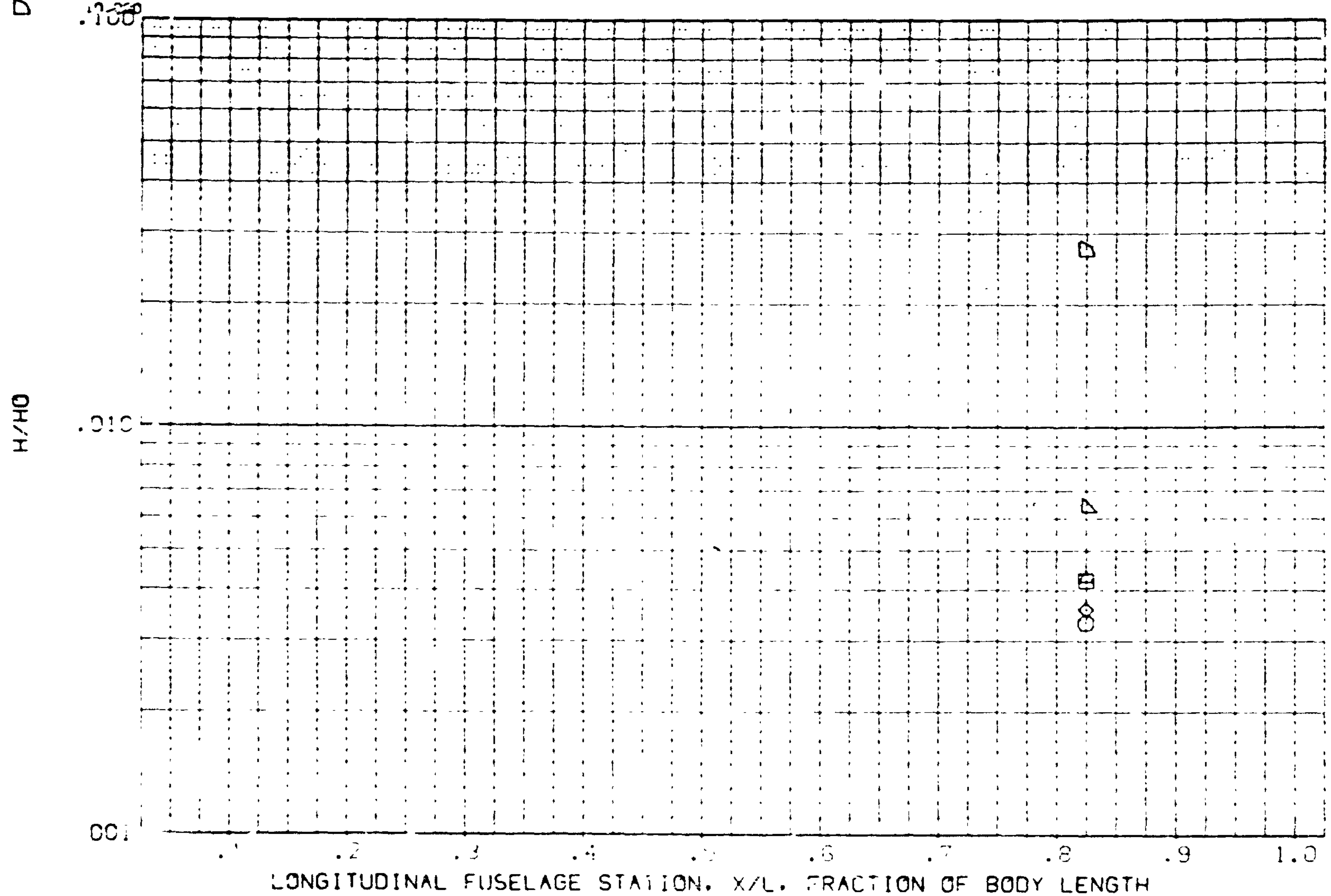


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

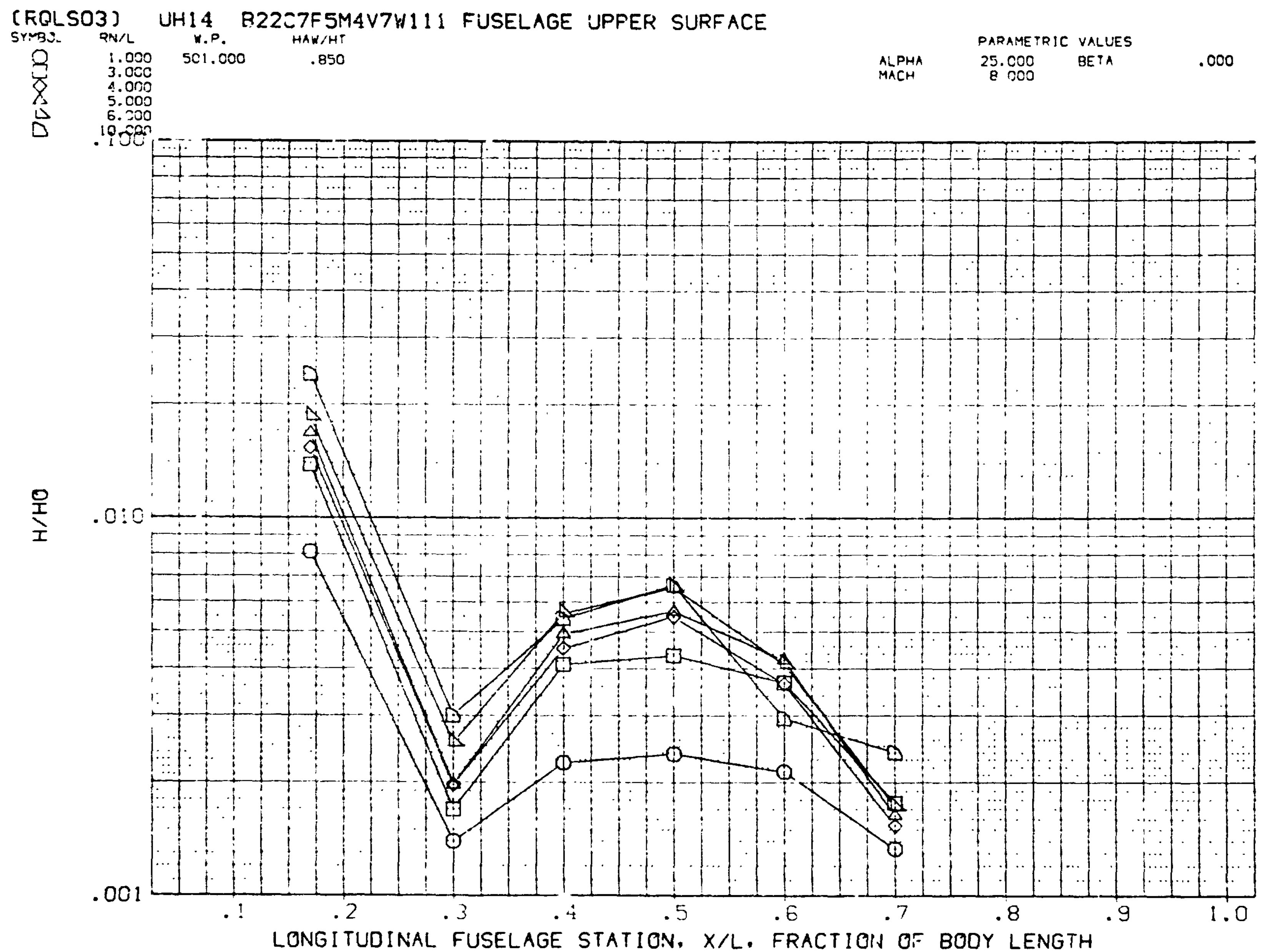


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	375.000	.900
□	3.000		
◇	4.000		
△	5.000		
◁	6.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA	25.000	BETA	.000
MACH	8.000		

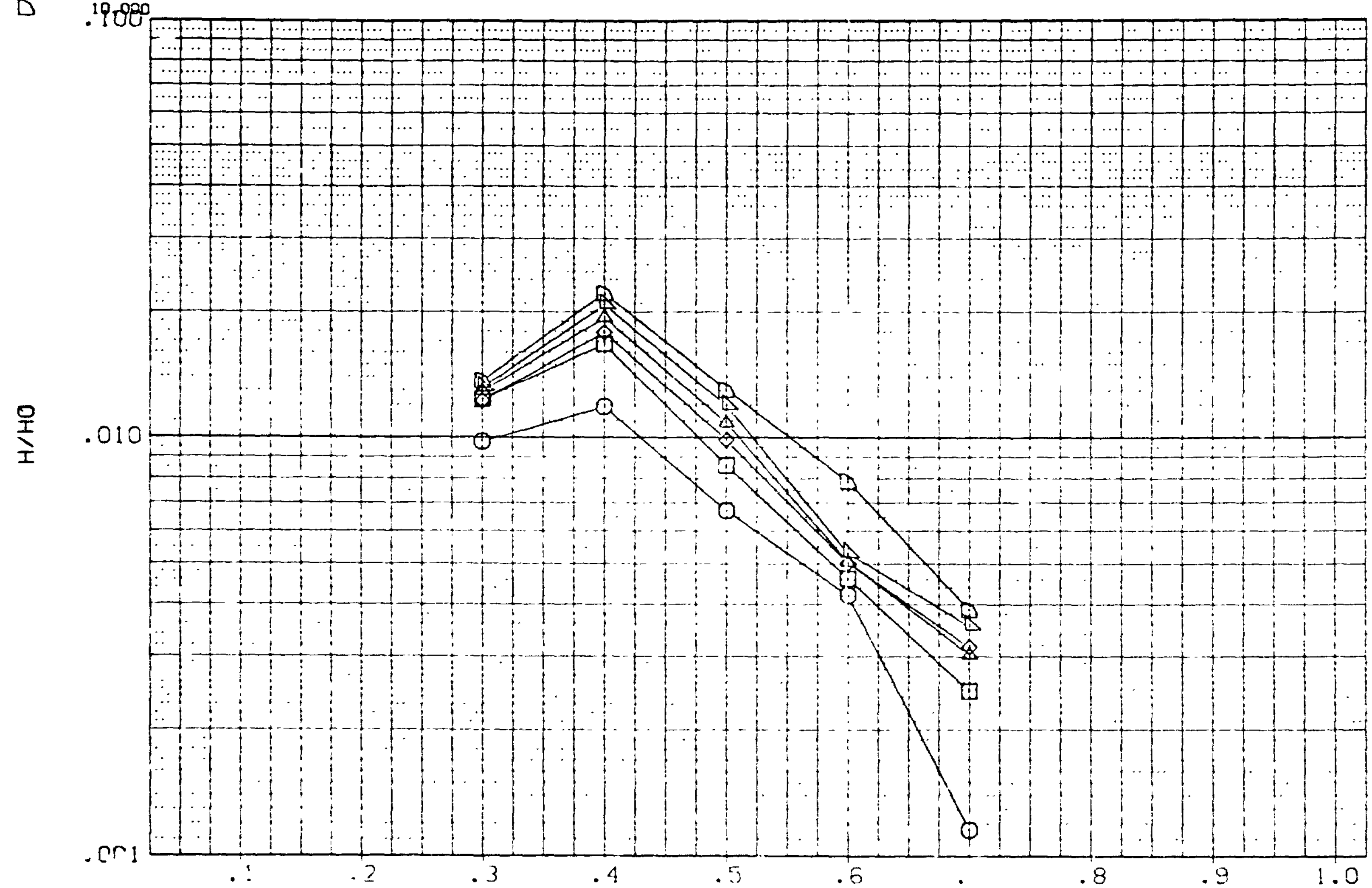


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

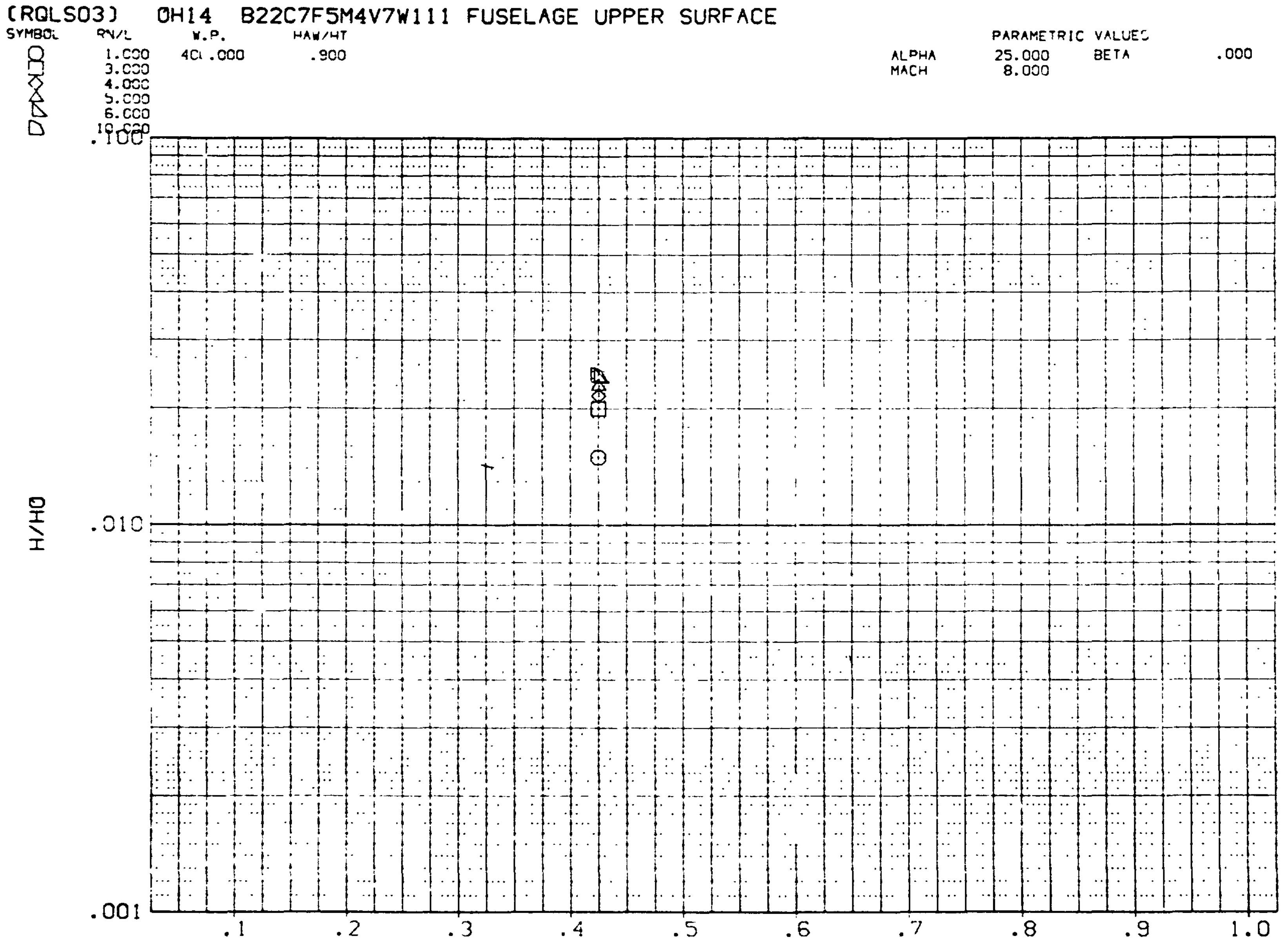


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B2?C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	425.000	.900
□	3.000		
◇	4.000		
△	5.000		
⊿	6.000		
⌂	10.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

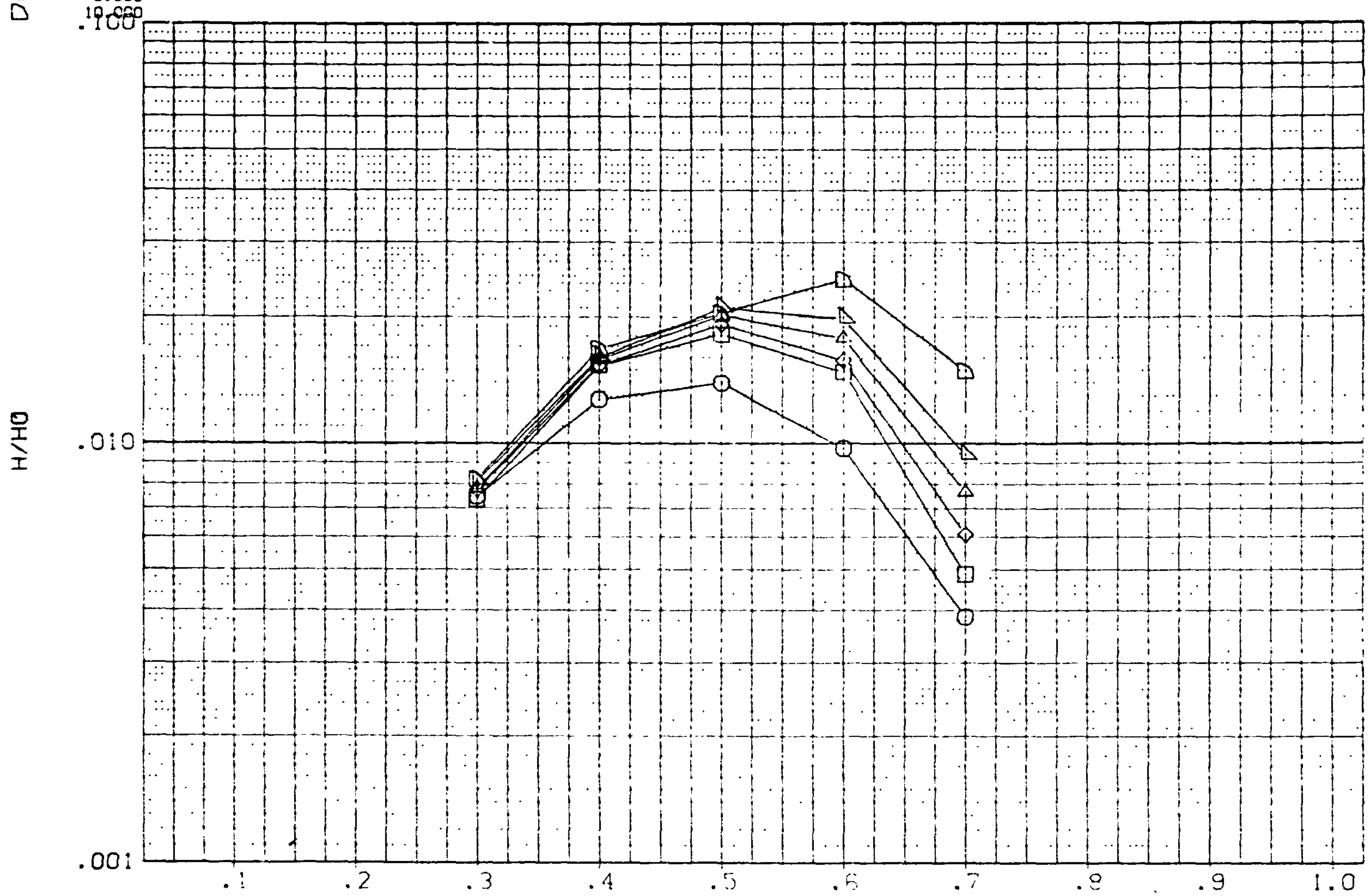


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

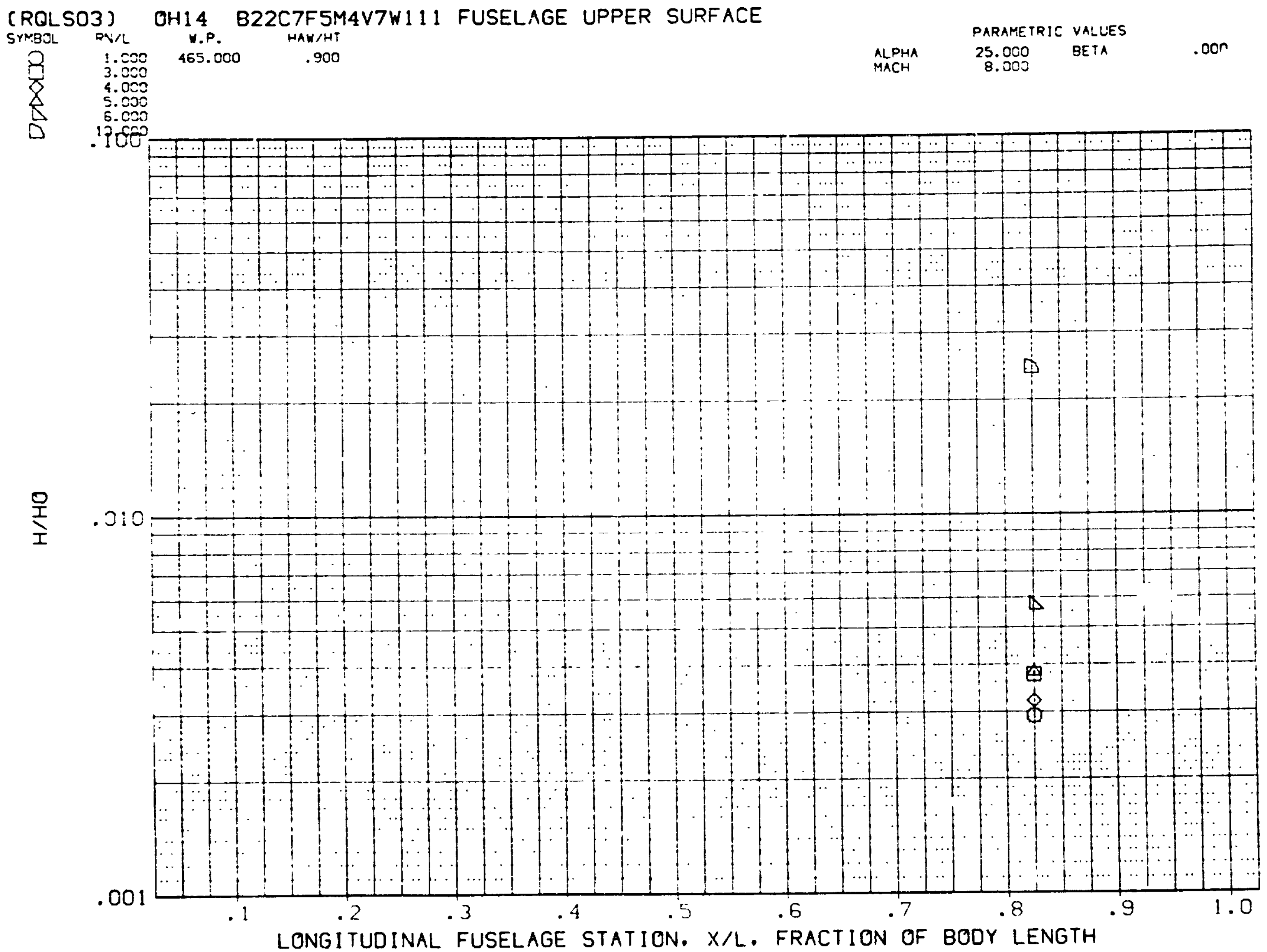


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

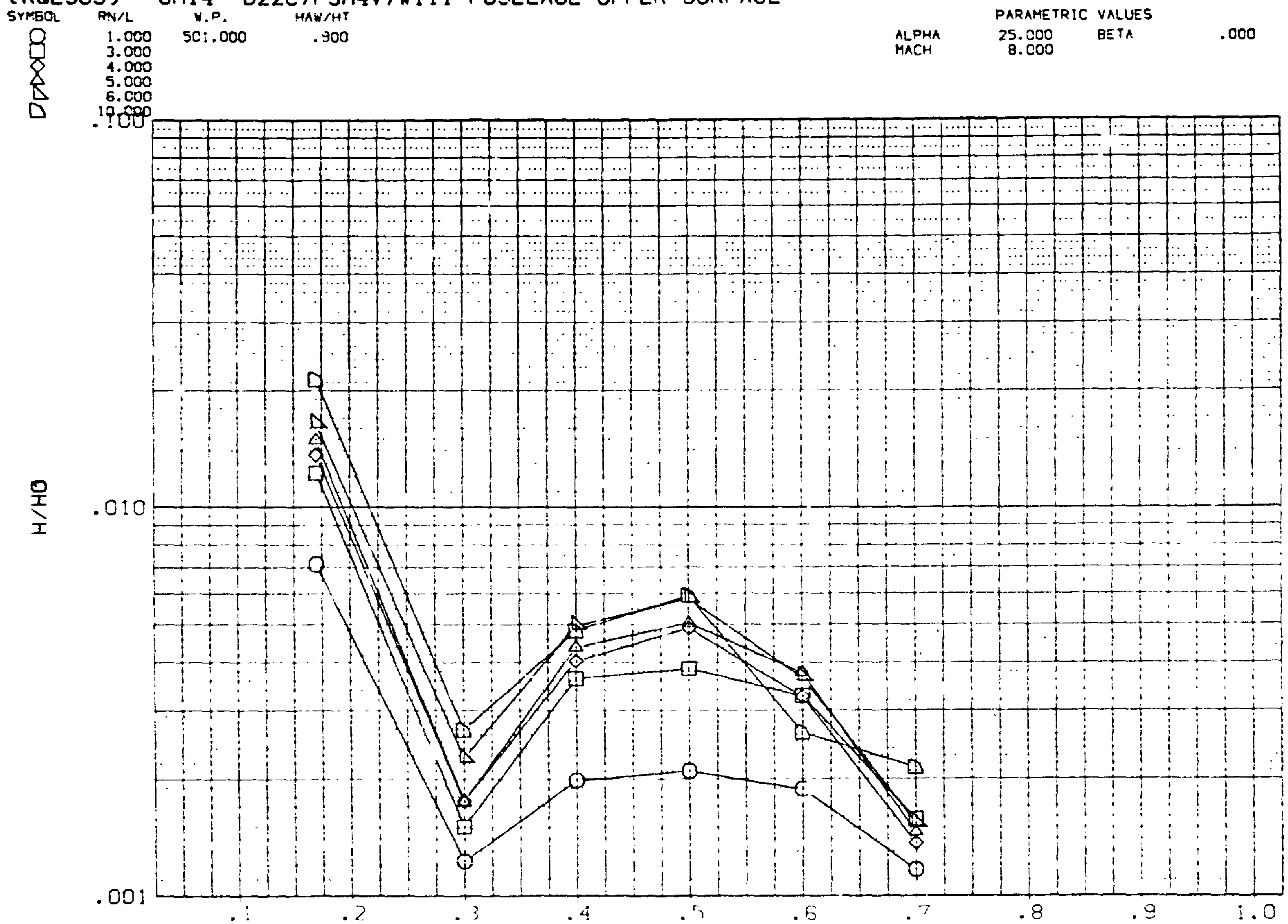


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

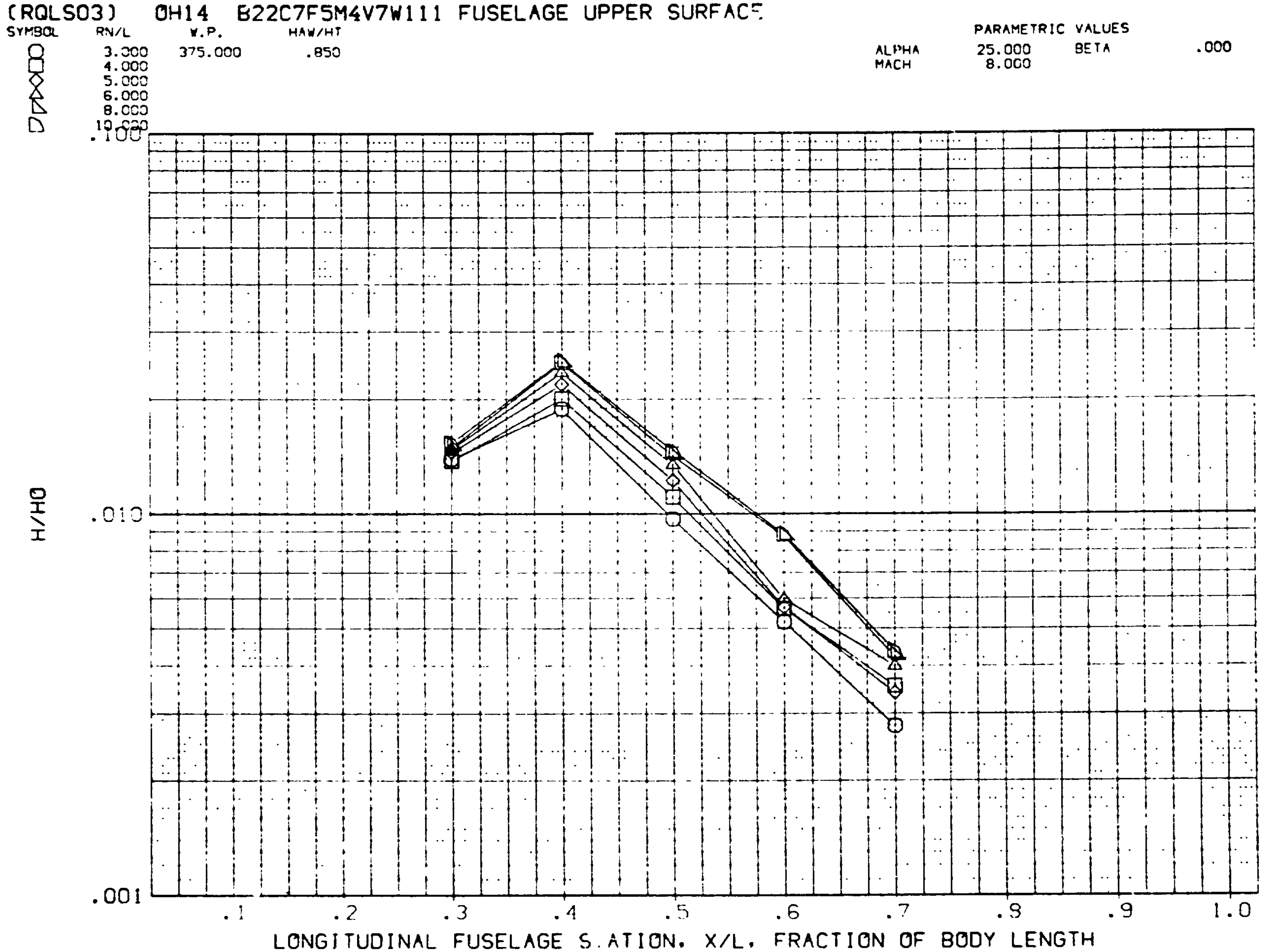


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	3.000	400.000	.850
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
◻	10.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

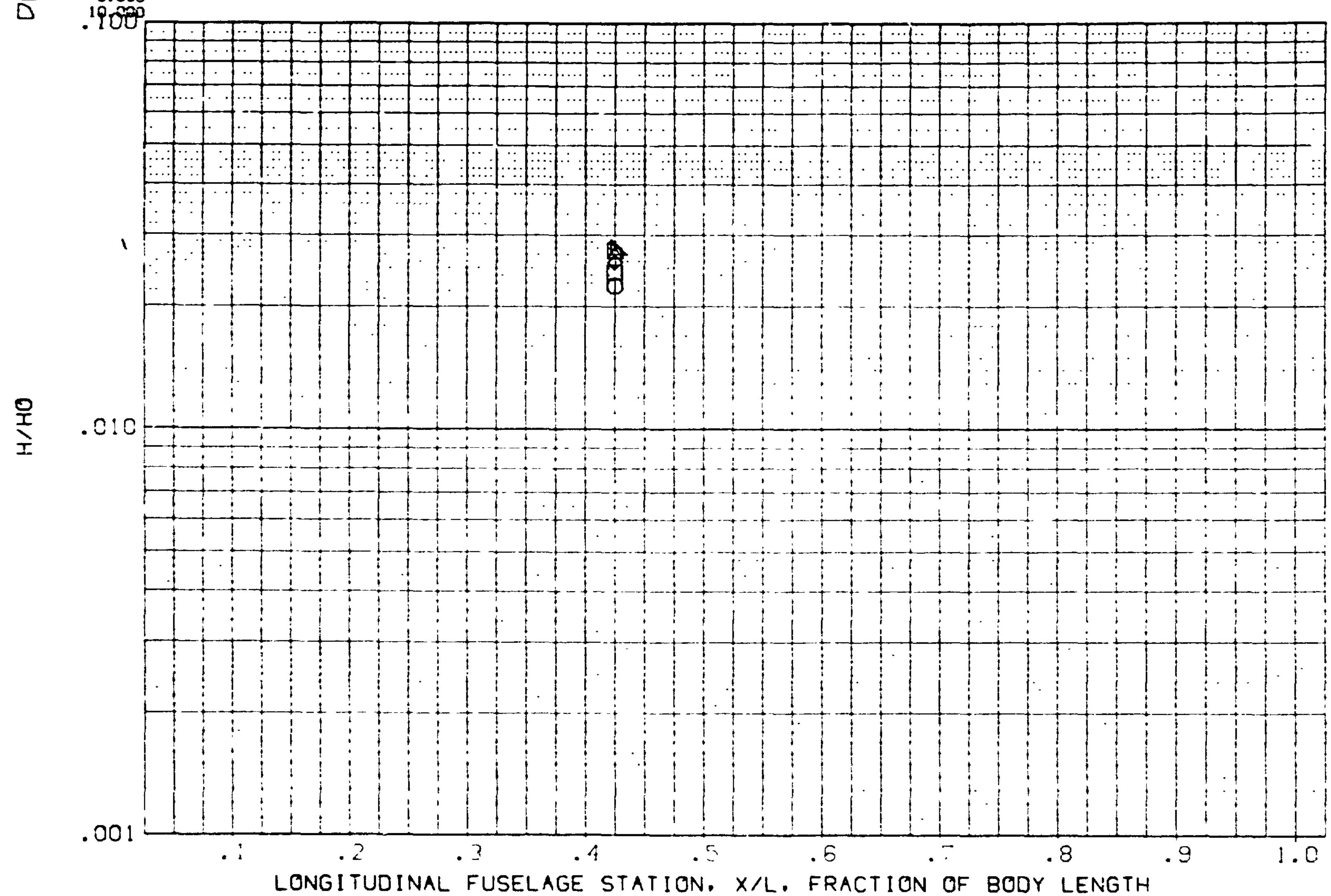


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

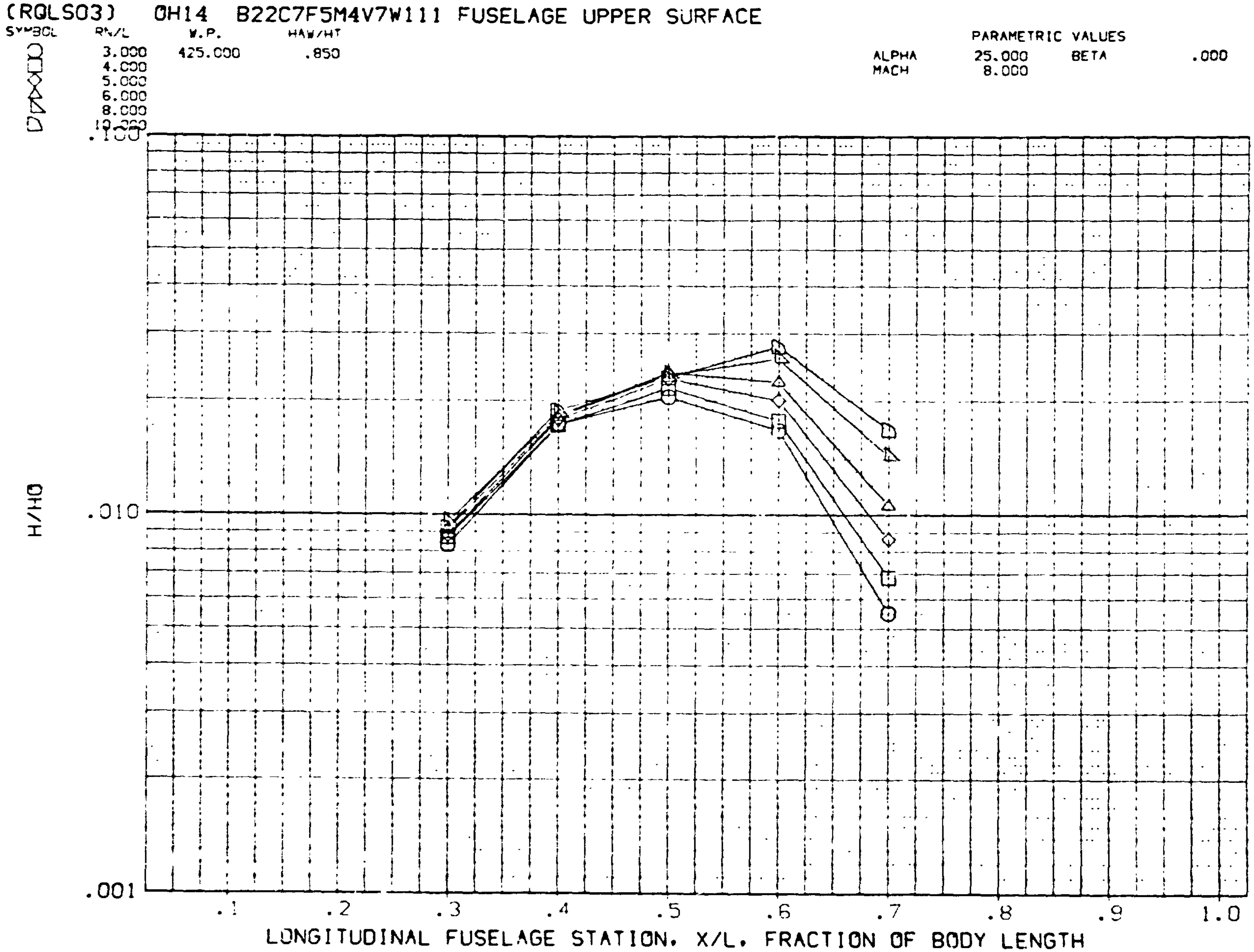


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RGLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

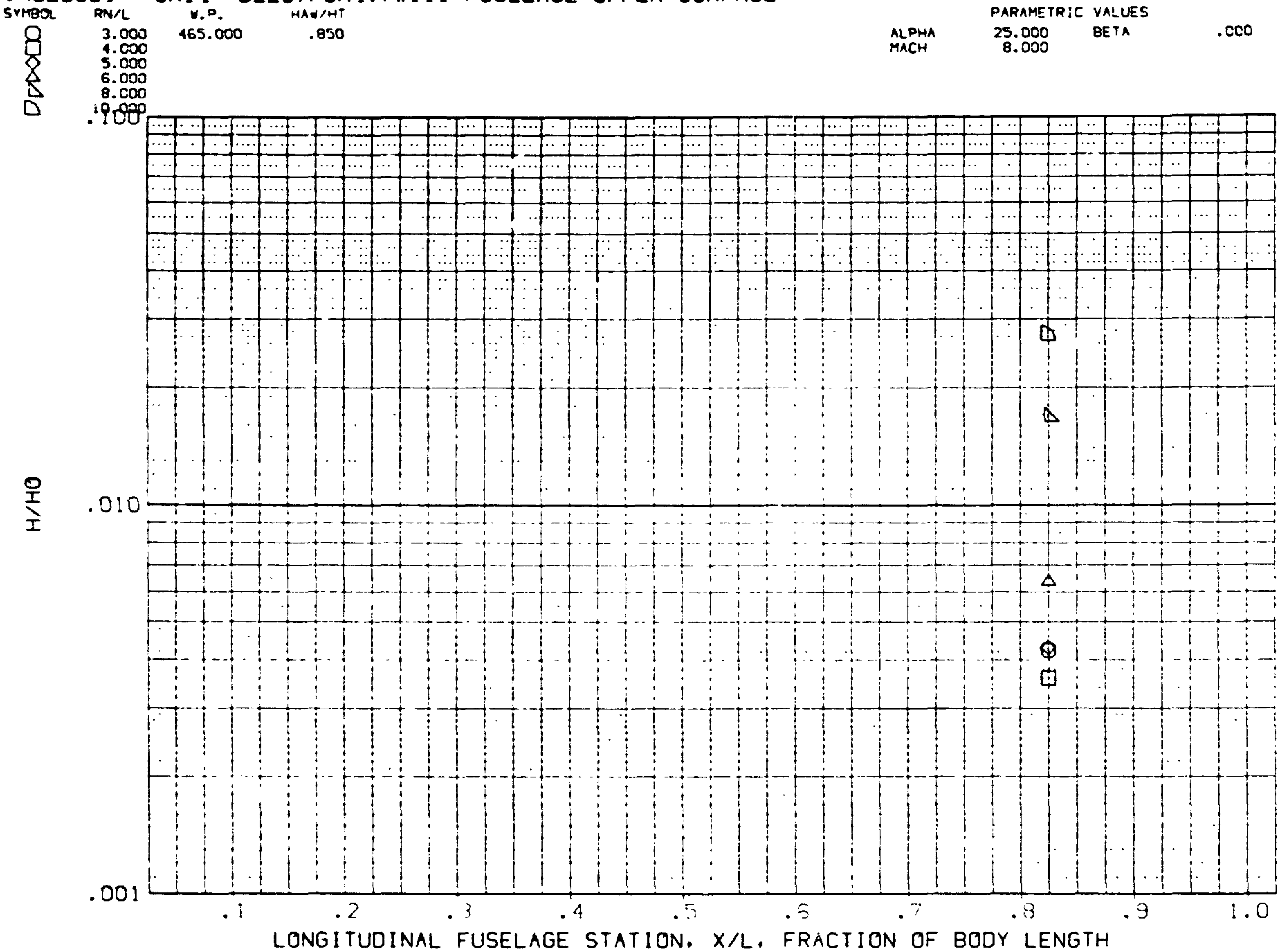


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

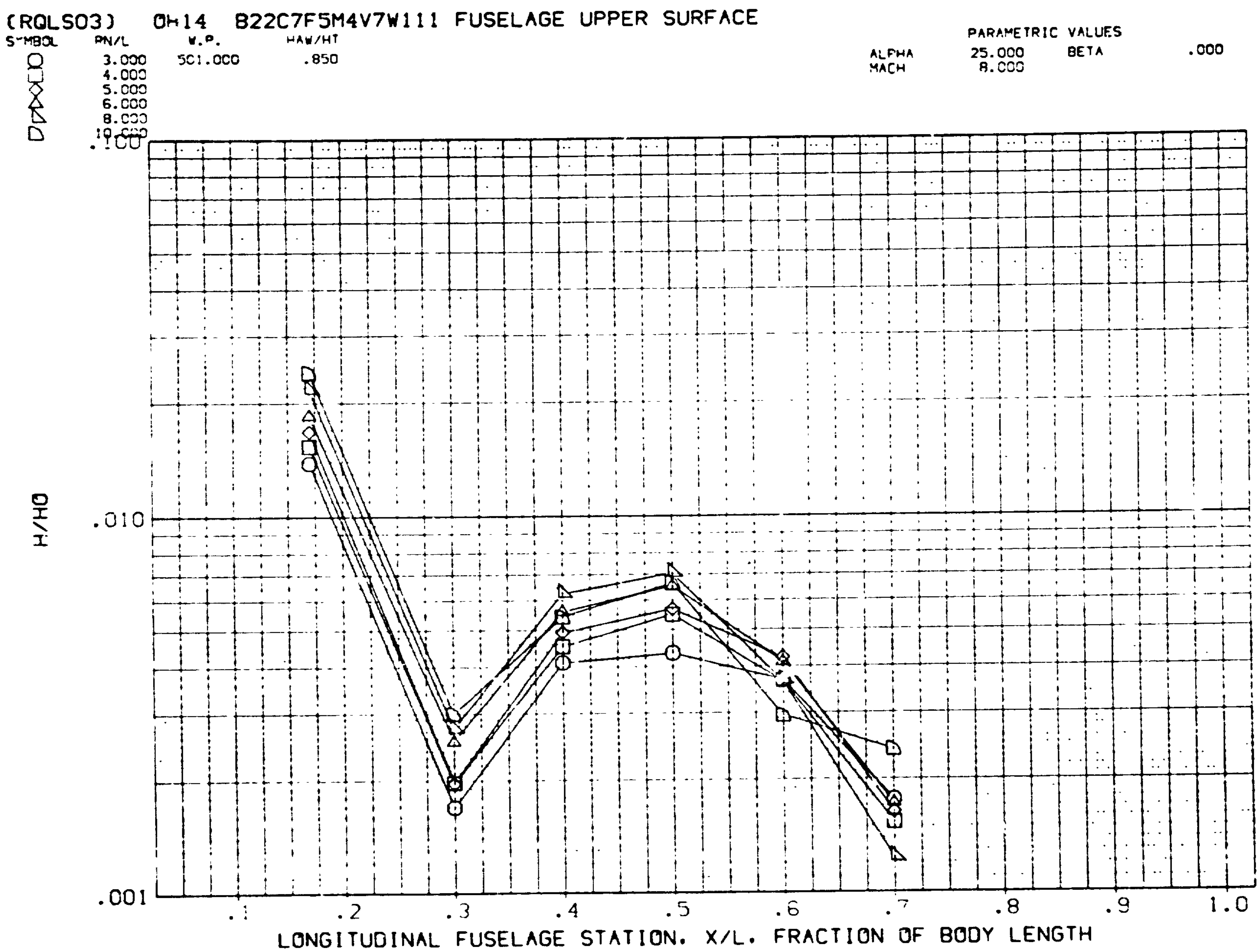


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03)   OH14   B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW.HT
○	3.000	375.000	.900
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA 25.000   BETA .000
MACH 8.000

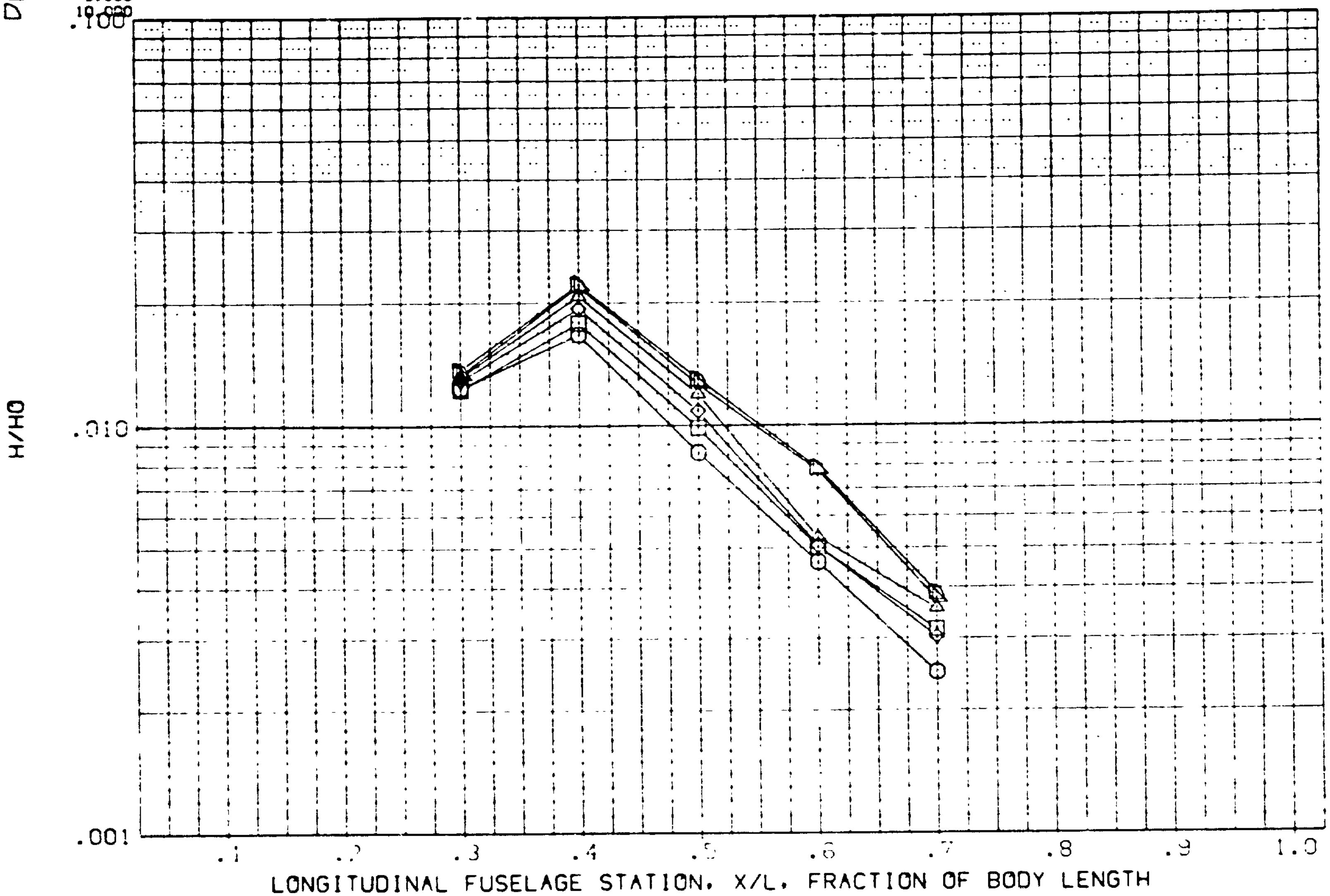
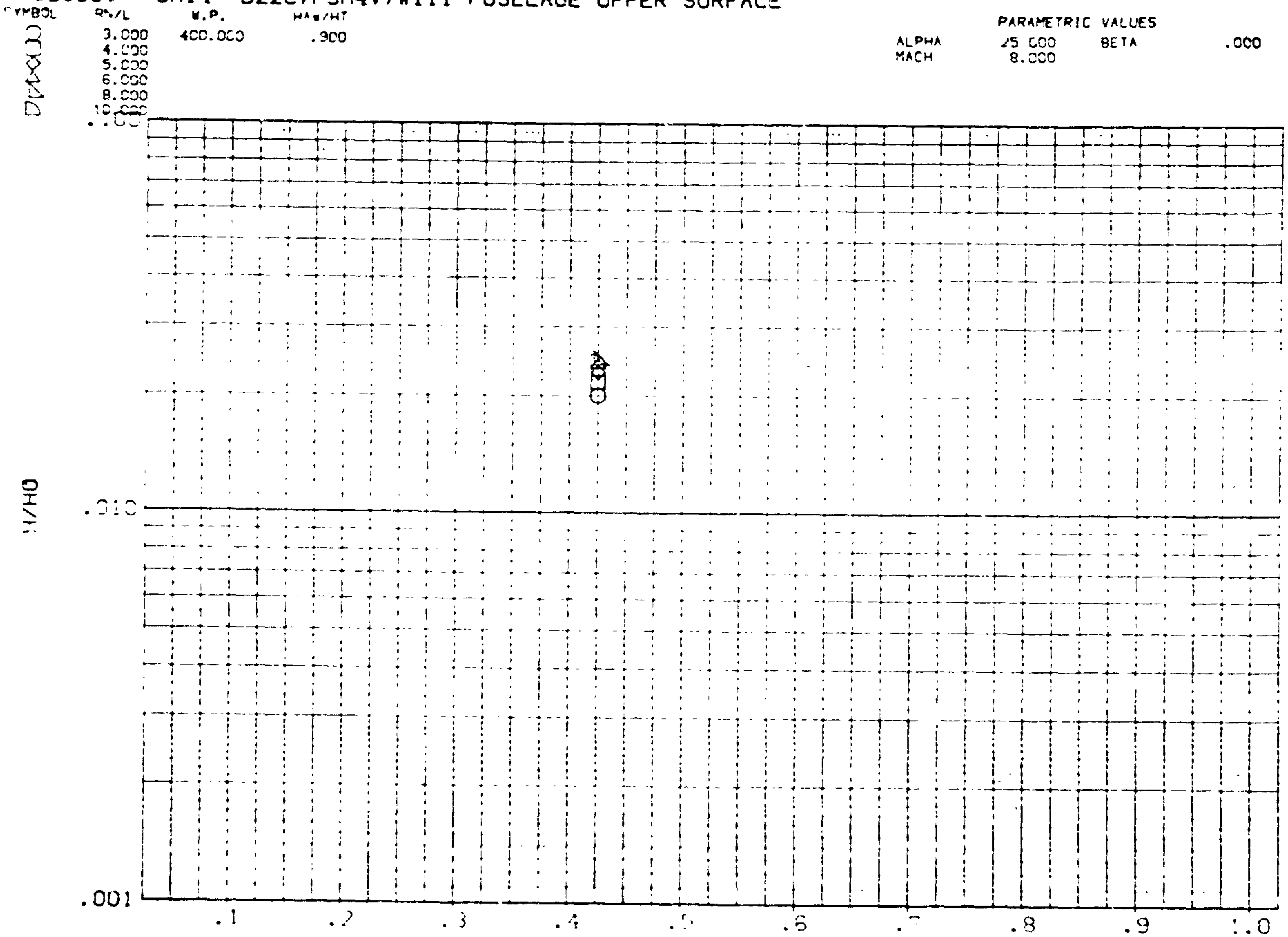


FIG 24   VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE



LONGITUDINAL FUSELAGE STATION. X/L. FRACTION OF BODY LENGTH

FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

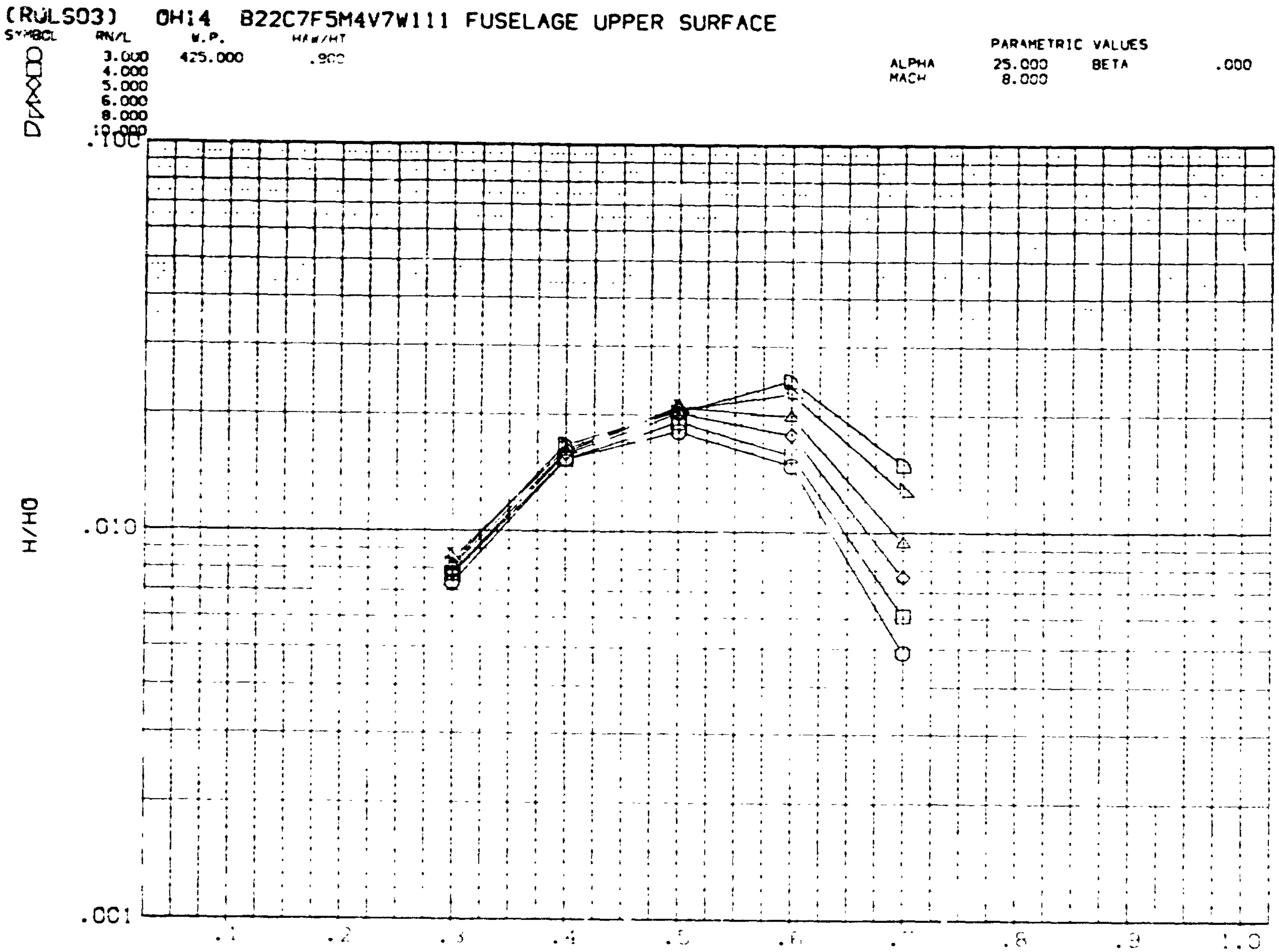


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

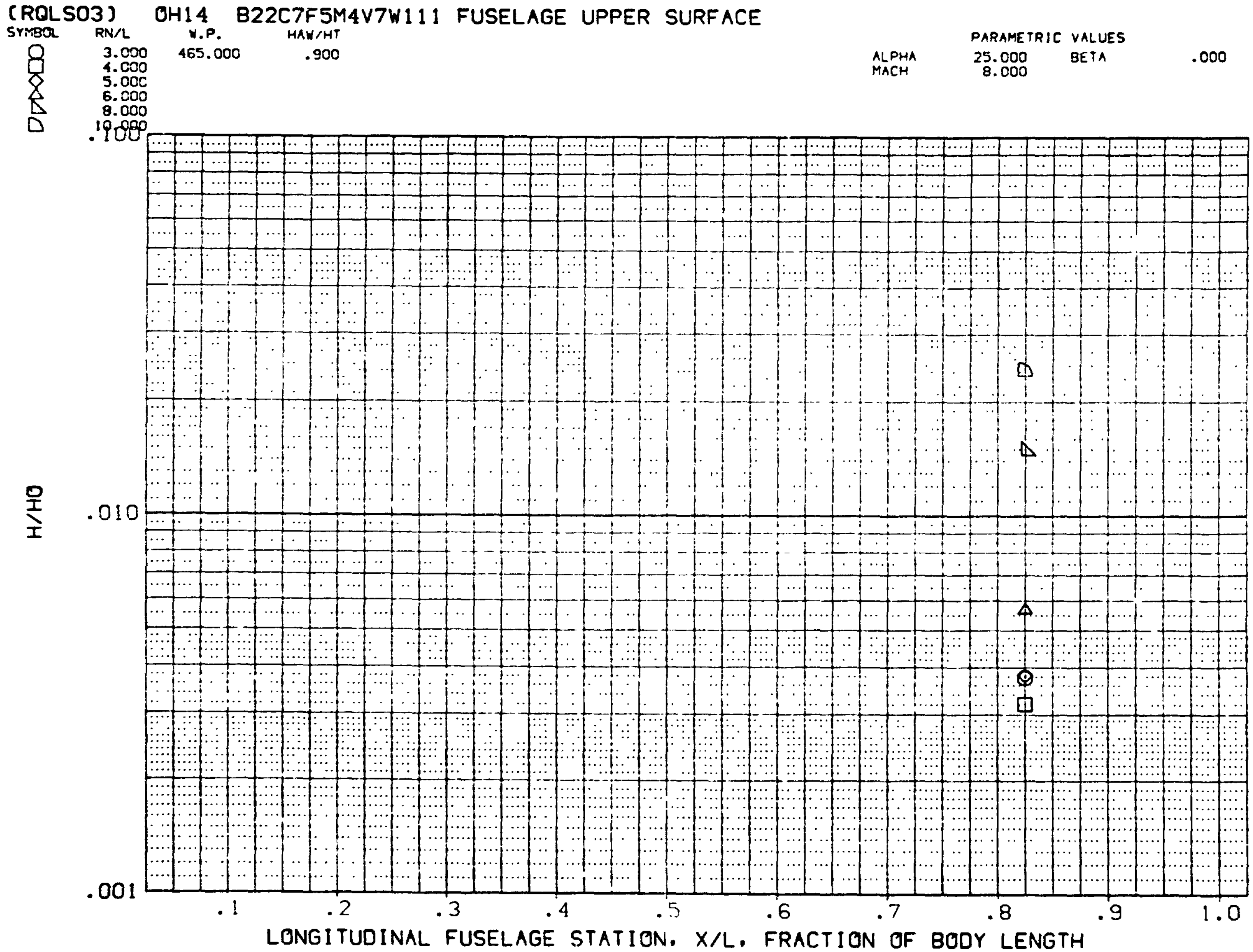


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

C.5

(RQLS03) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	3.000	501.000	.900
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA 25.000 BETA .000
MACH 8.000

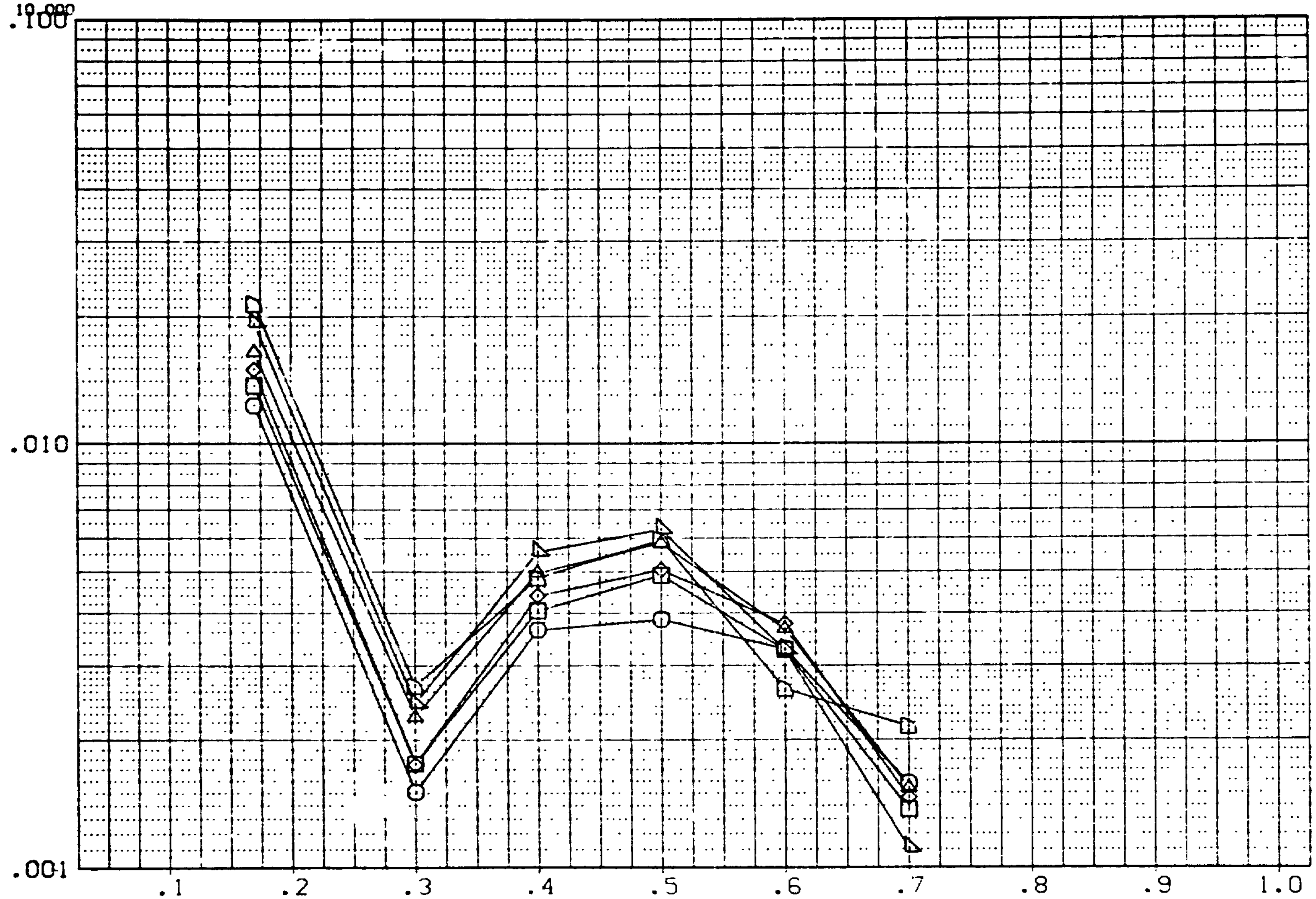


FIG 24 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 25 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

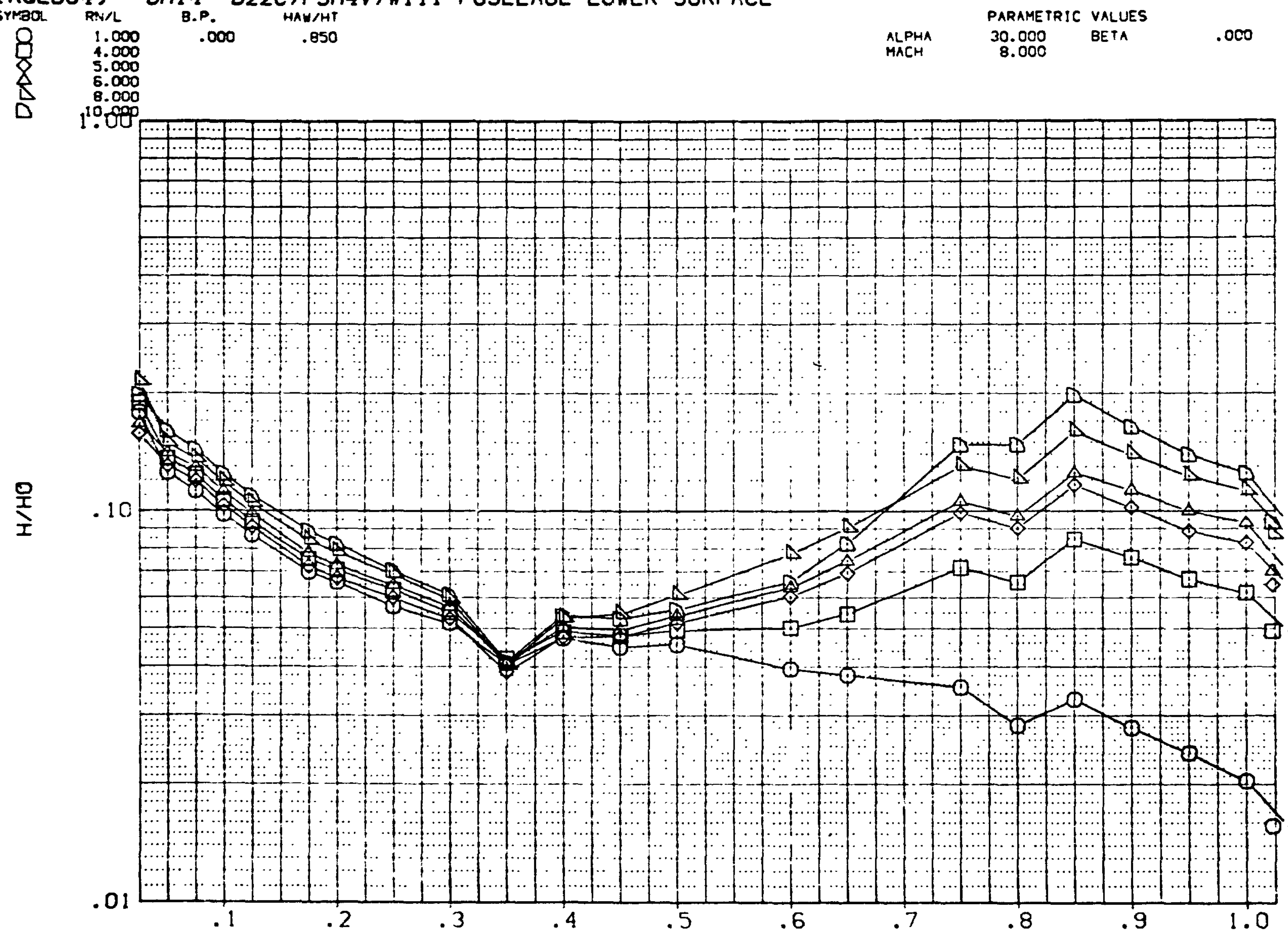


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SJRFACE AT 30 DEG. ANGLE OF ATTACK

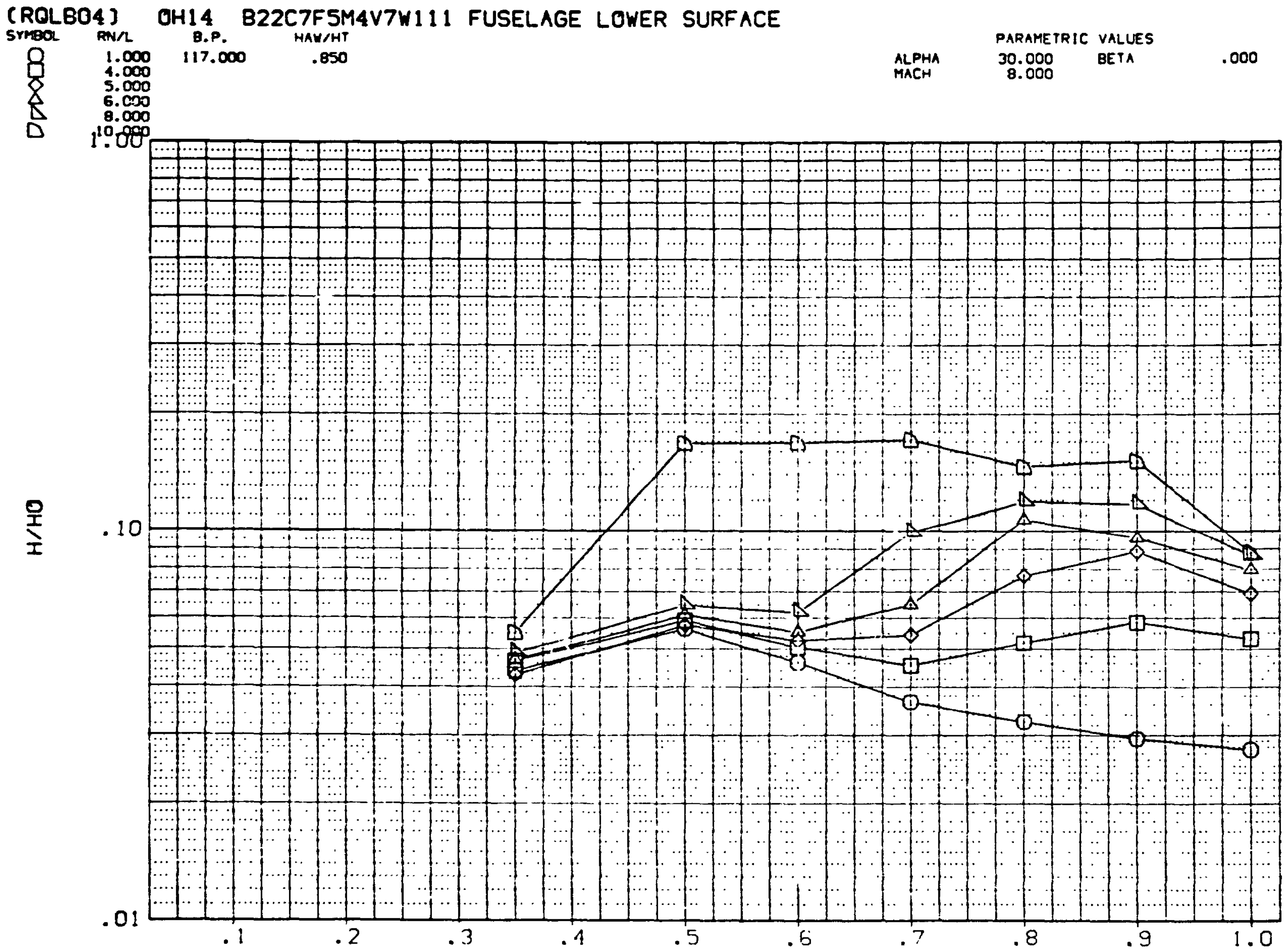


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

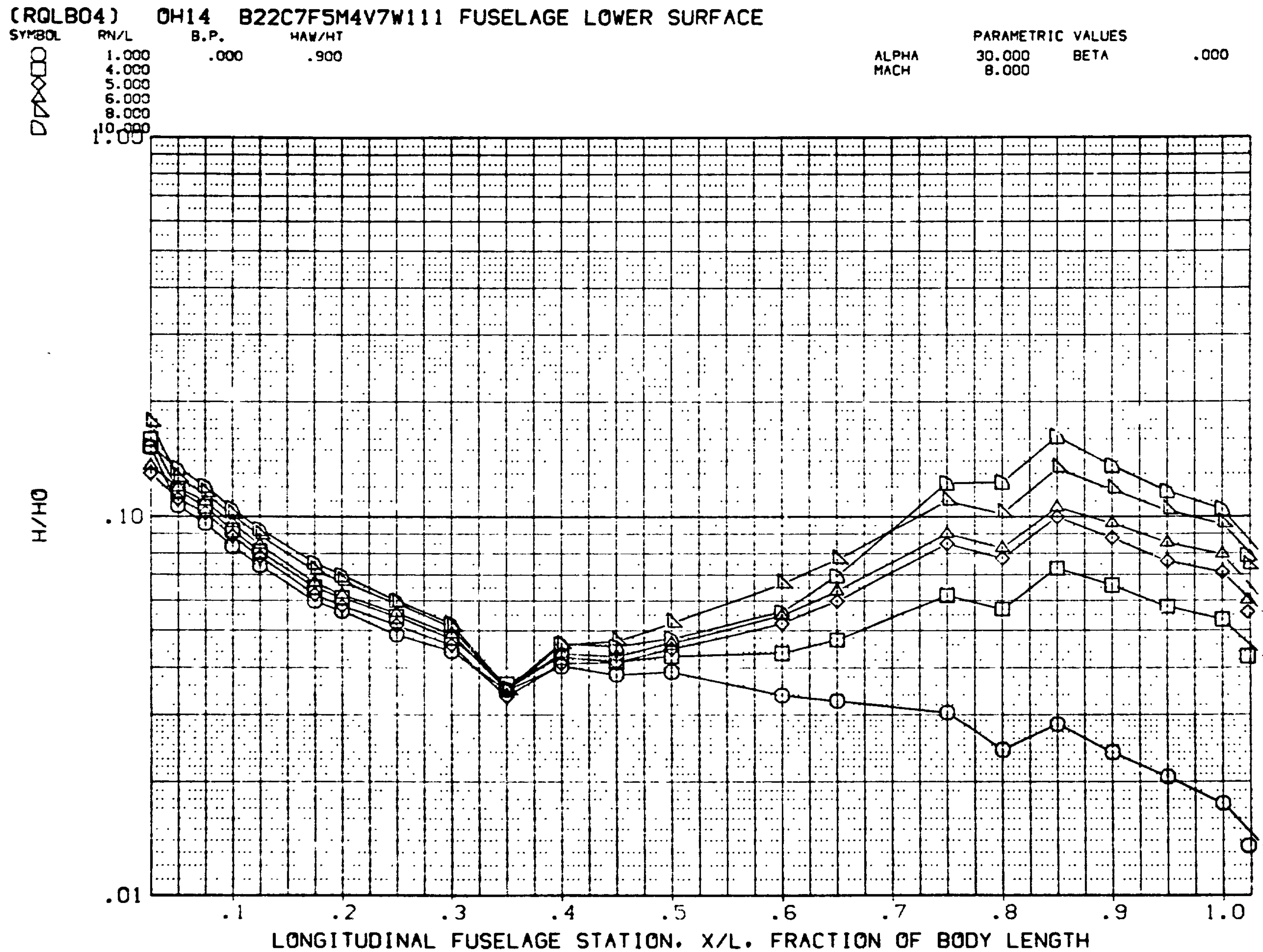


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

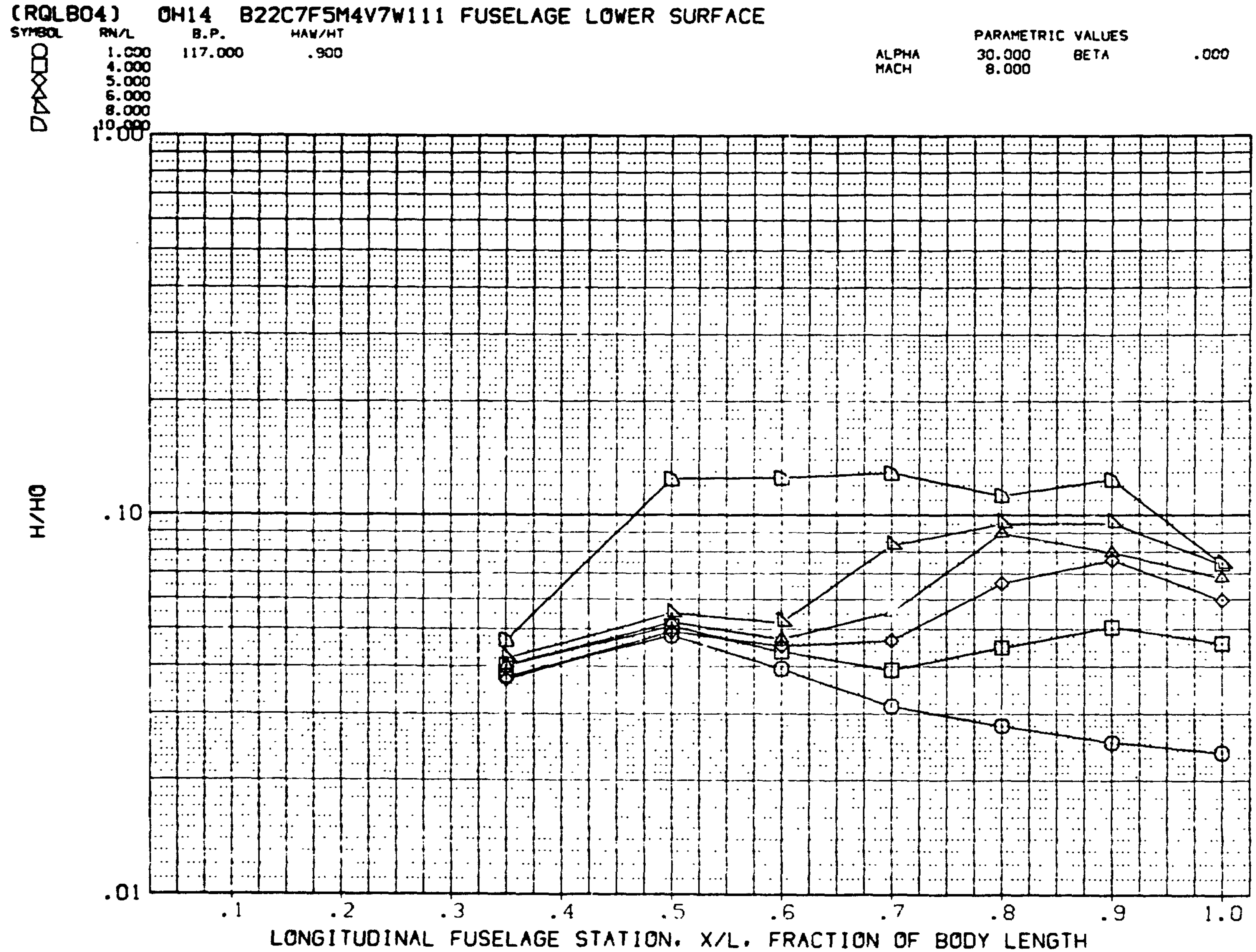


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

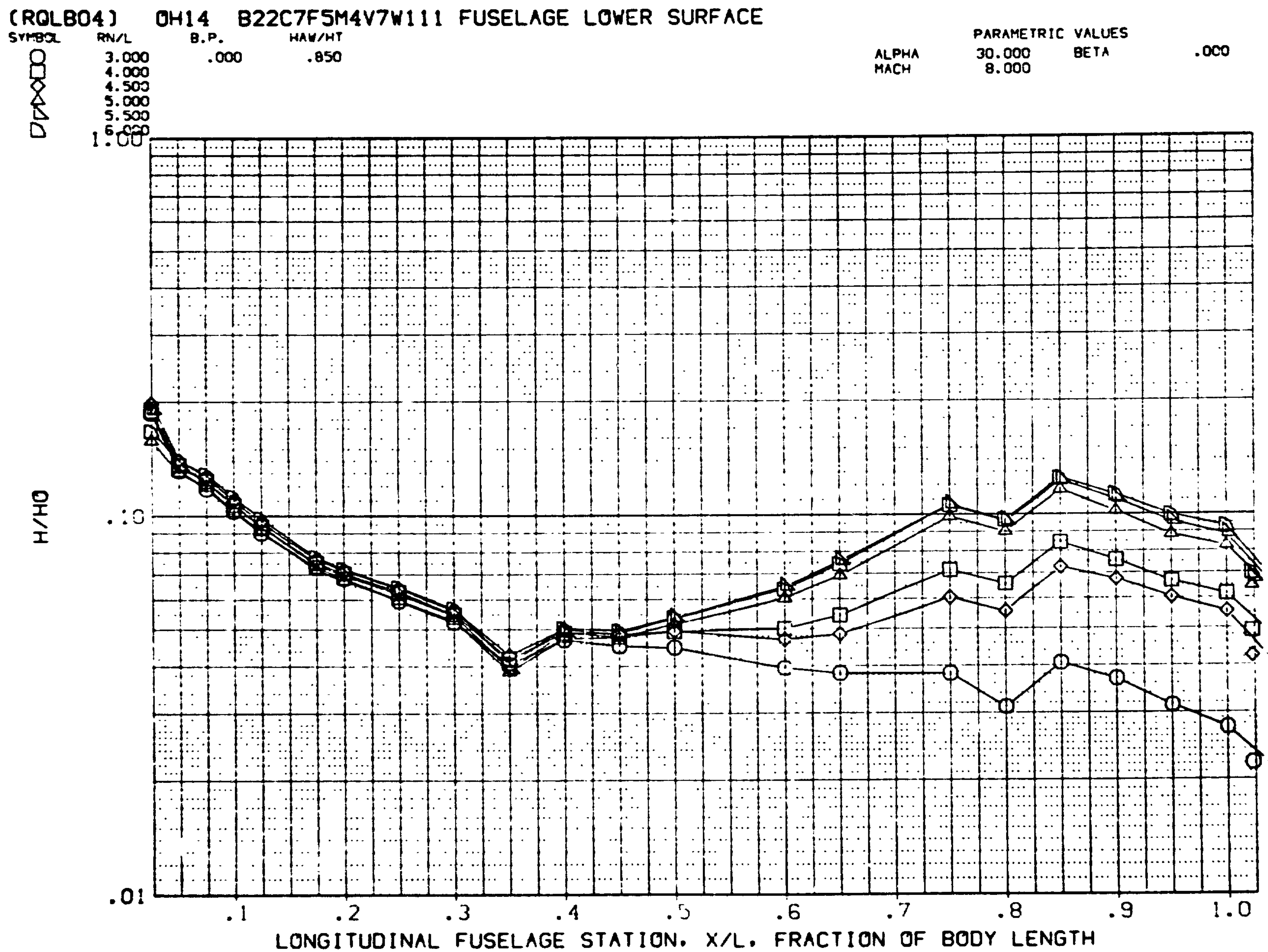


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

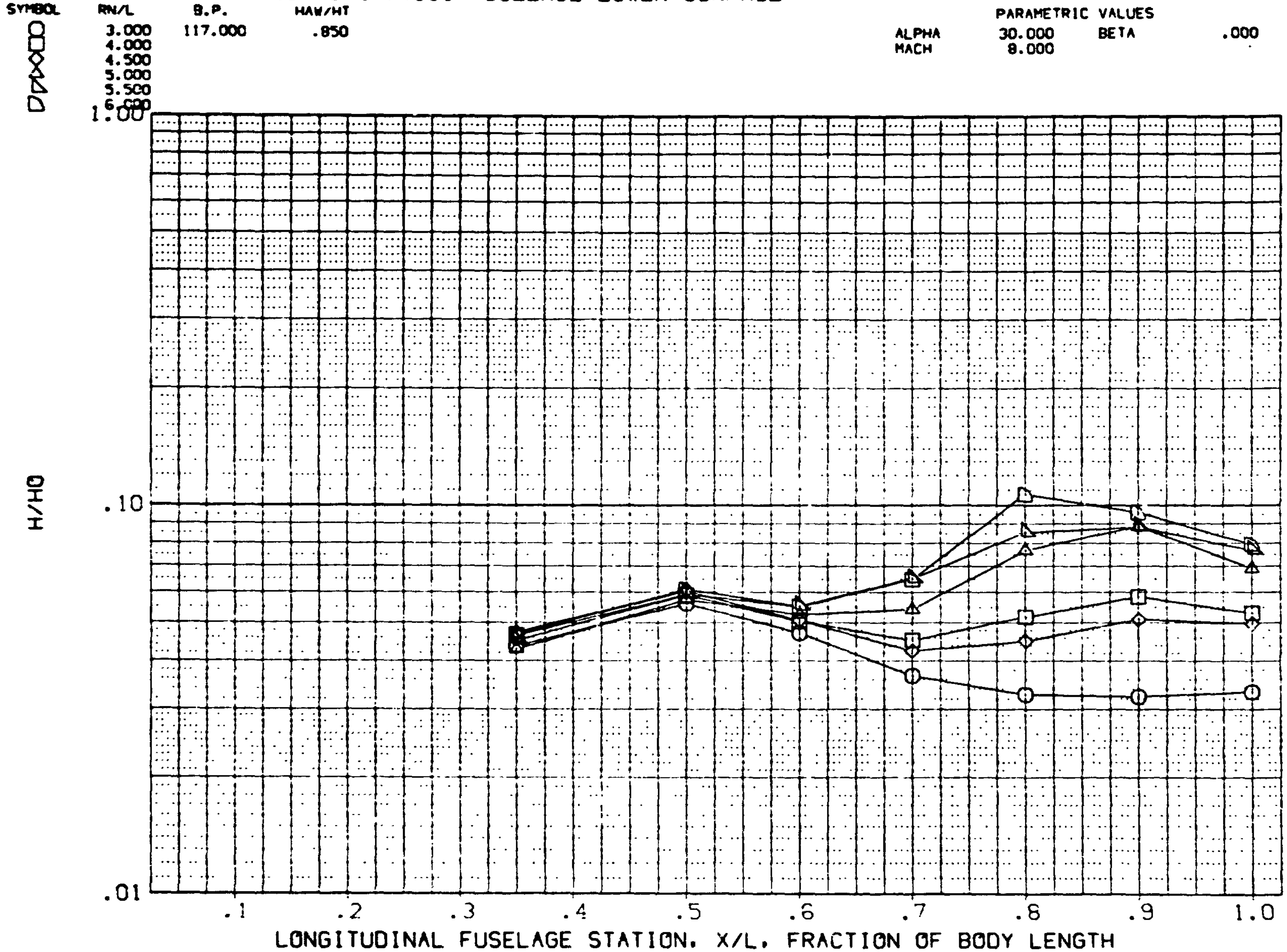


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

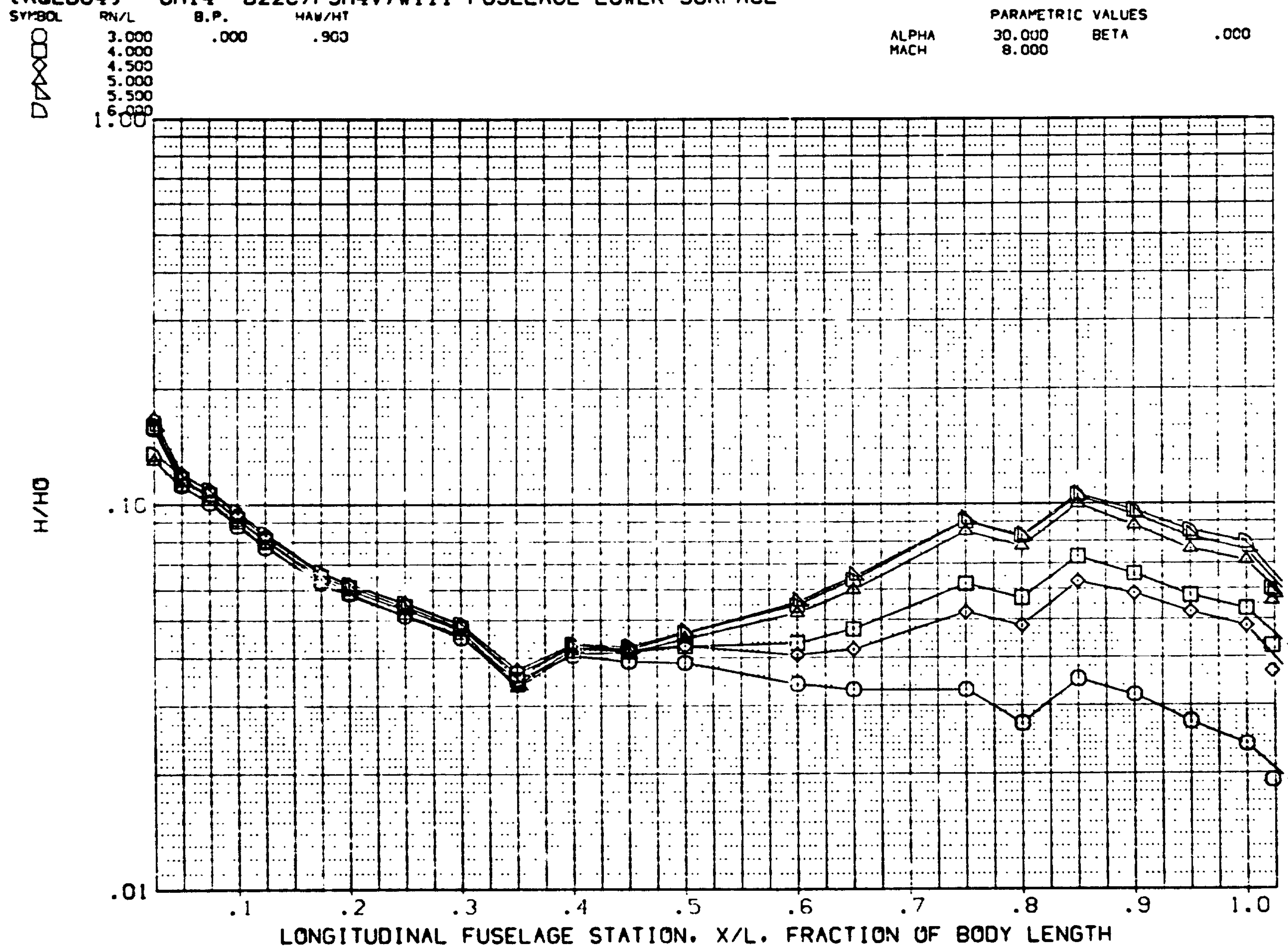


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLB04) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

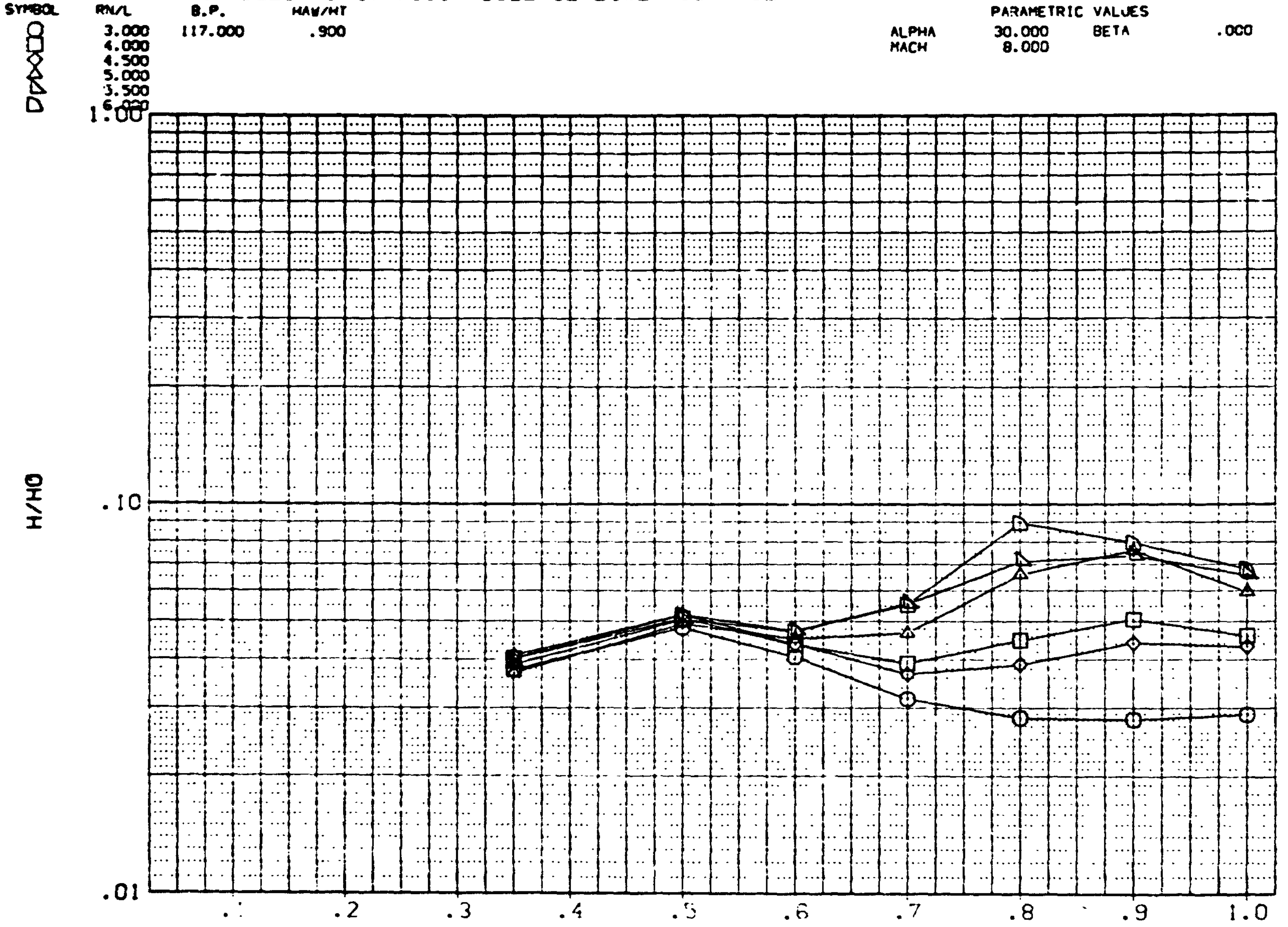
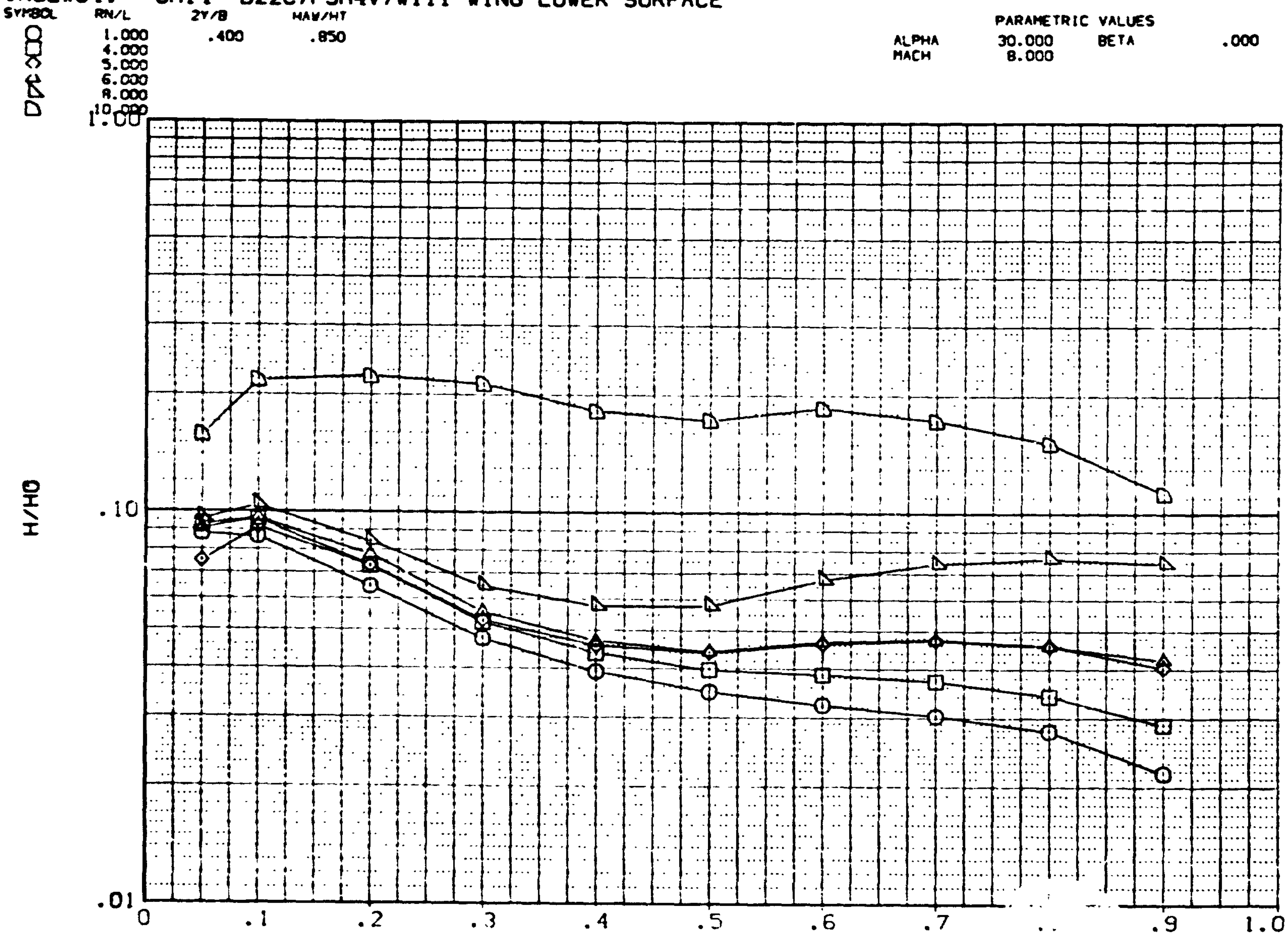


FIG 25 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE



LONGITUDINAL WING STATION, X/C, FRACTION OF LOCAL

FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ATTACK

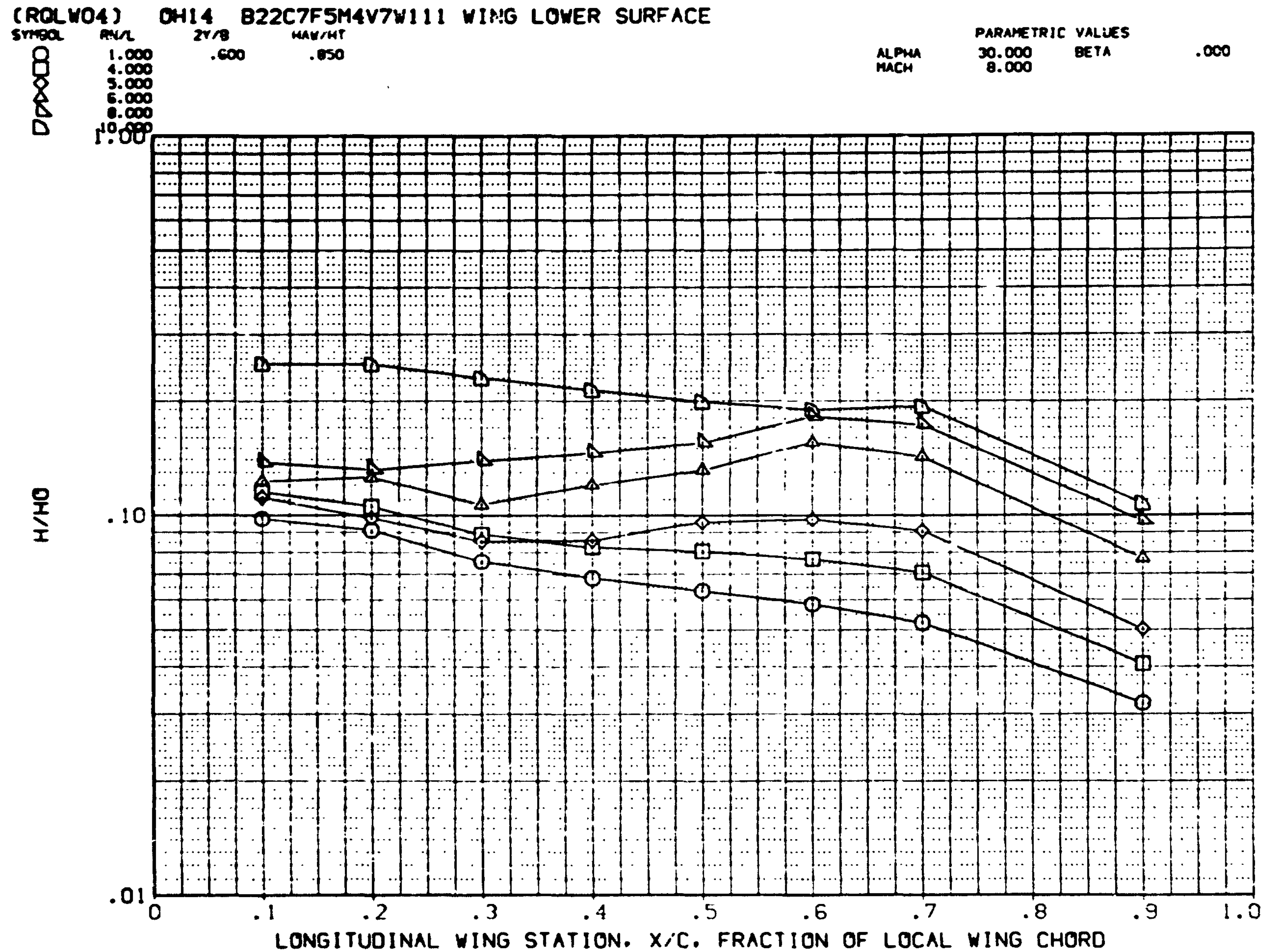


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

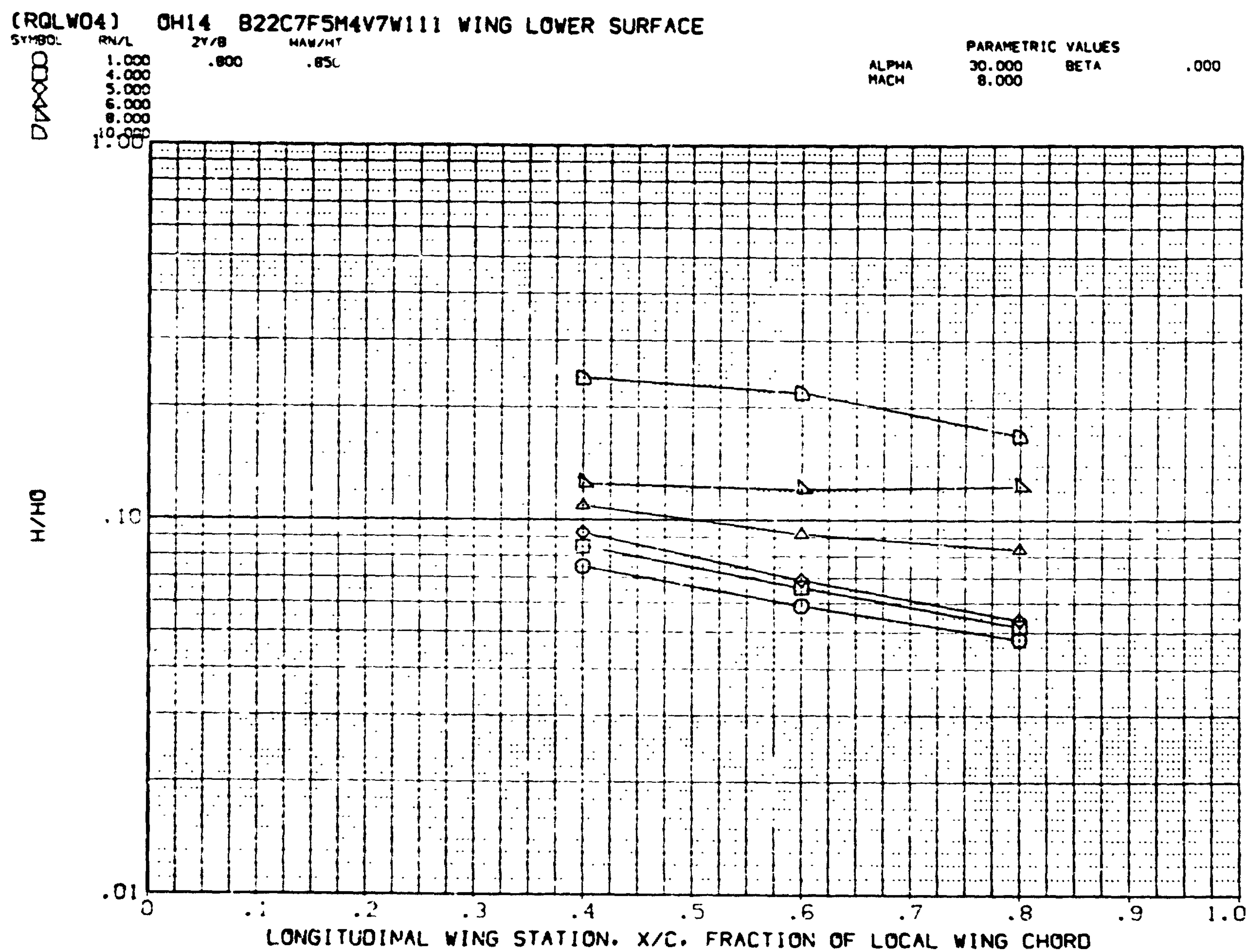


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLW04) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	1.000	.400	.900
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
◺	10.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

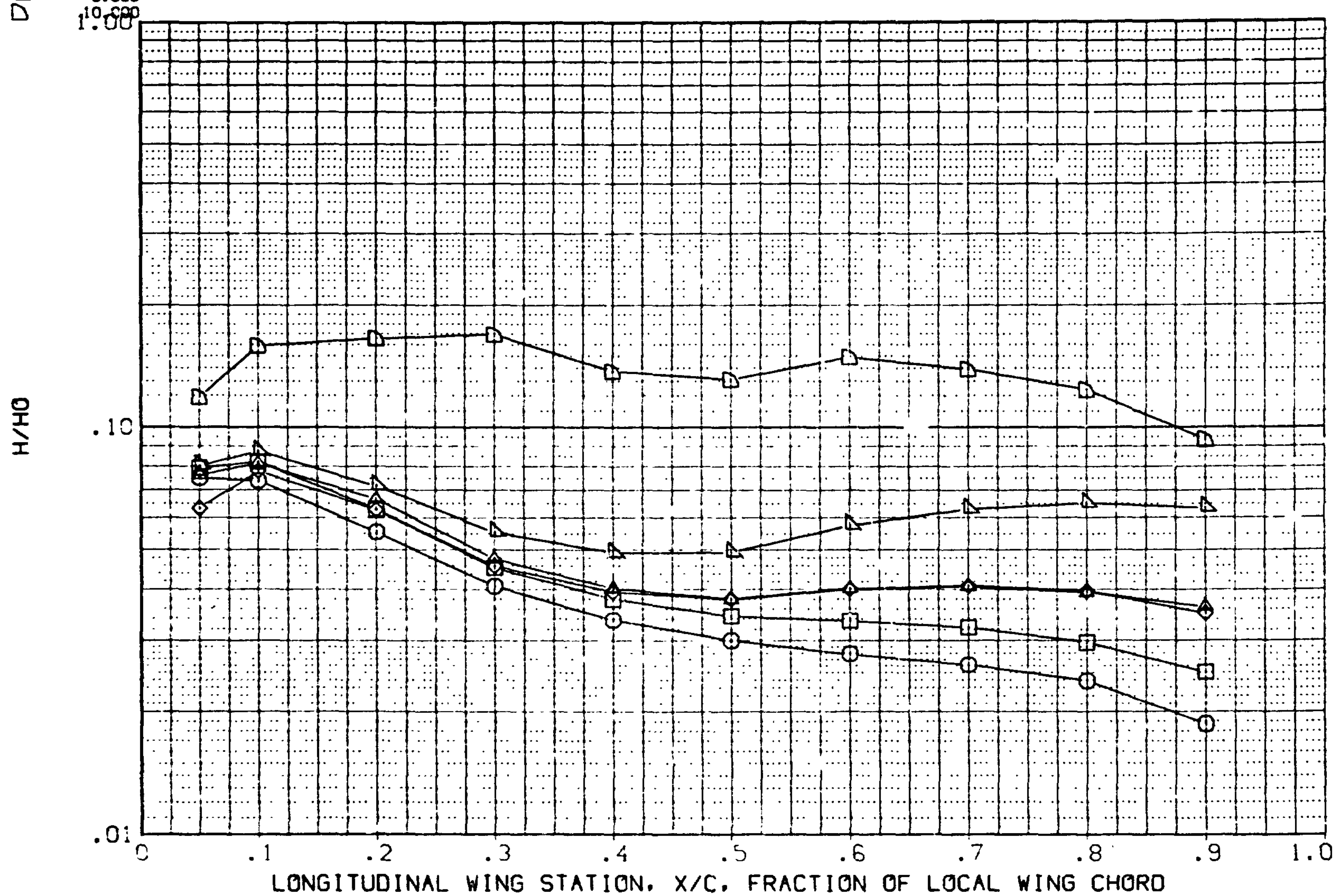


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	1.000	.600	.900
□	4.000		
◇	5.000		
△	6.000		
◺	8.000		
◻	10.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

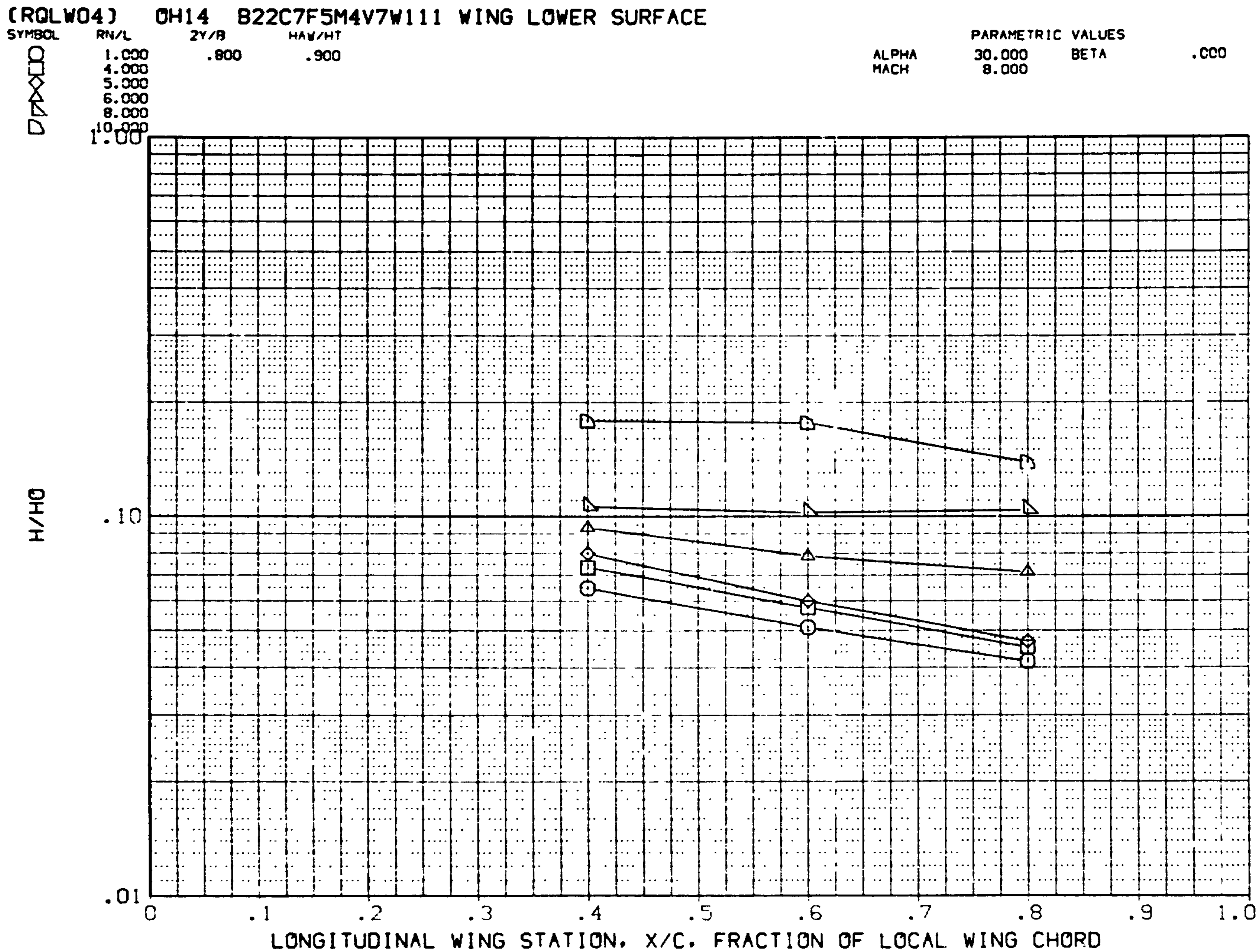


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

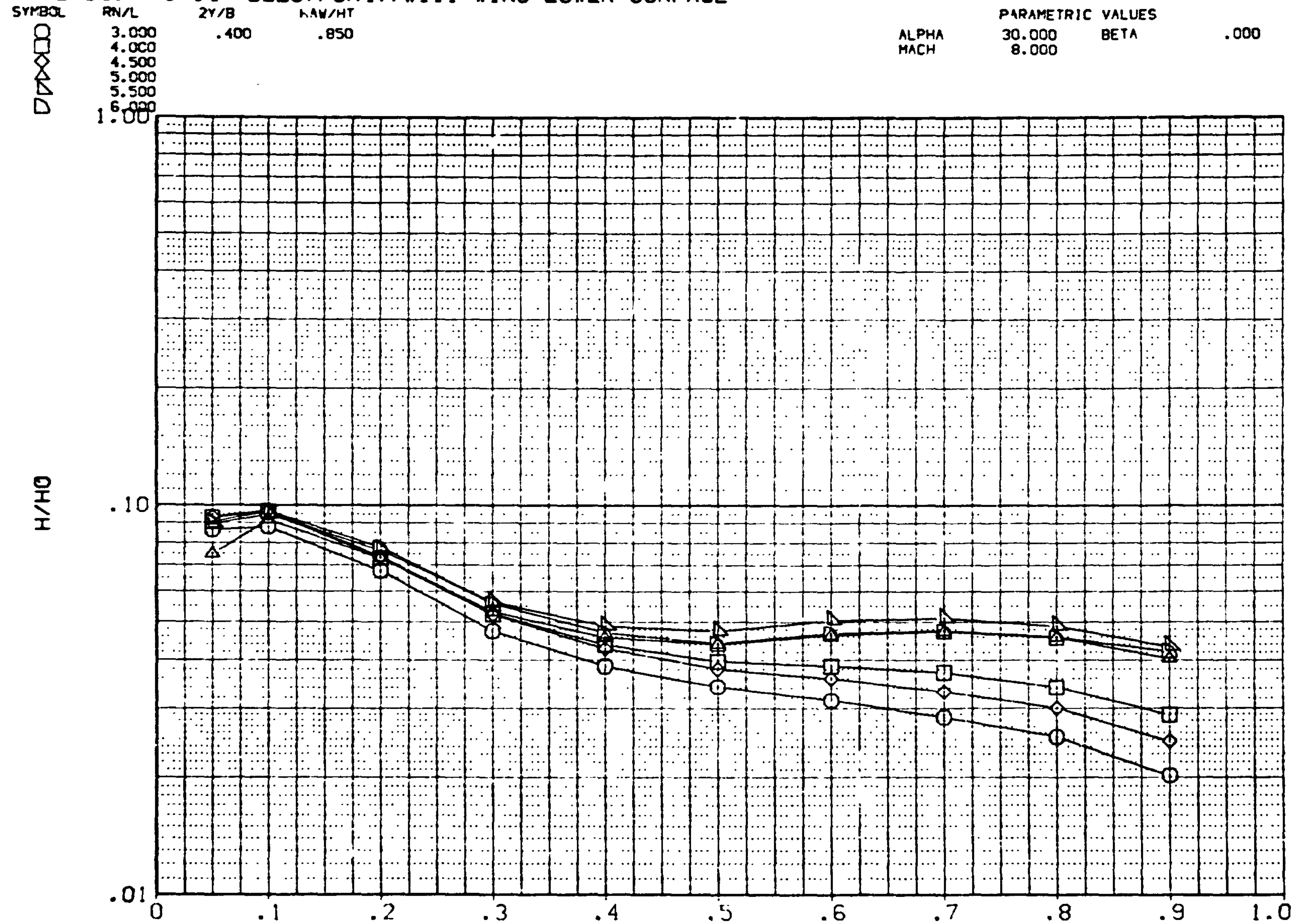


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	3.000	.600	.850
□	4.000		
◇	4.500		
△	5.000		
◺	5.500		
◻	6.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

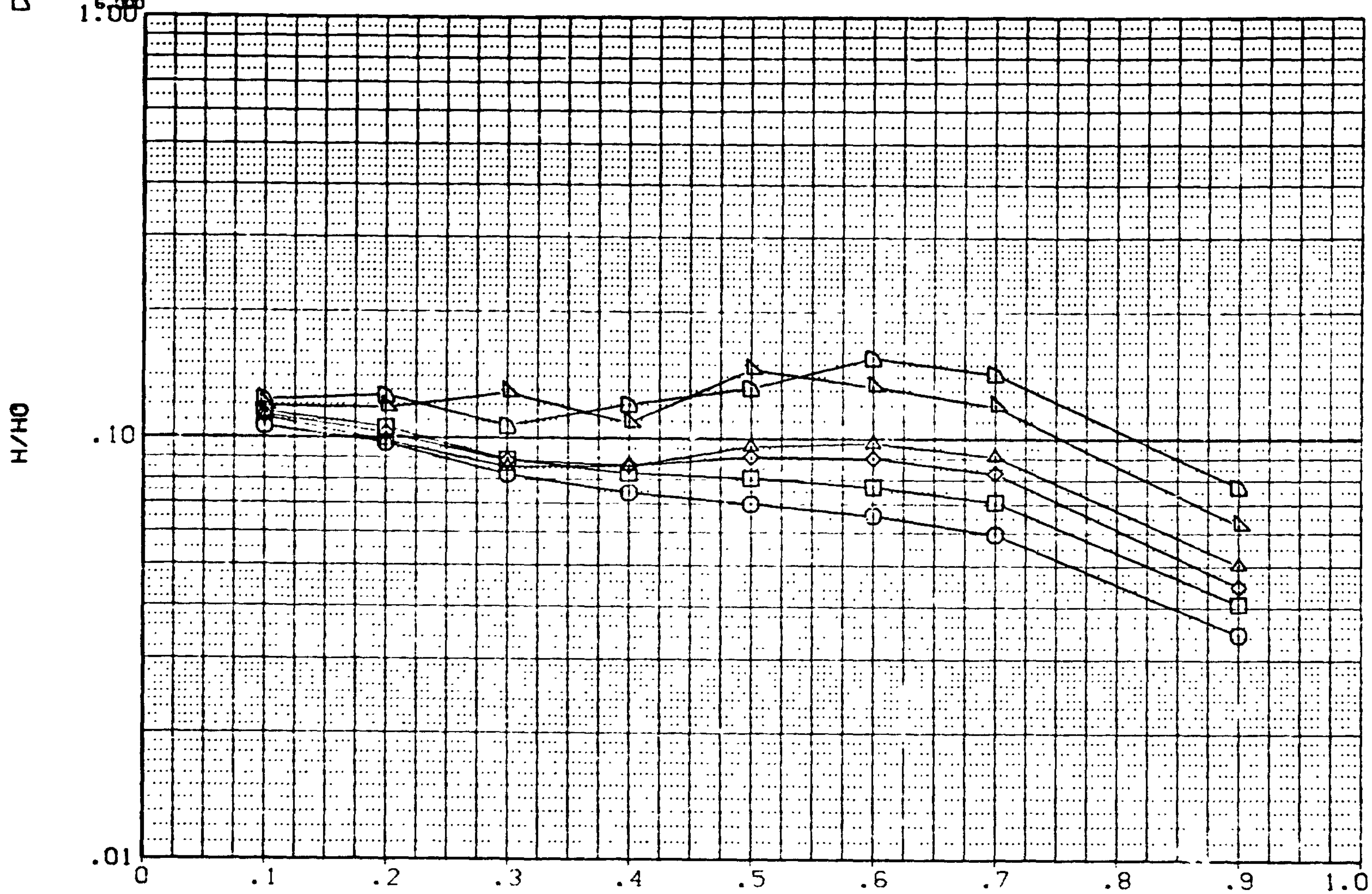


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

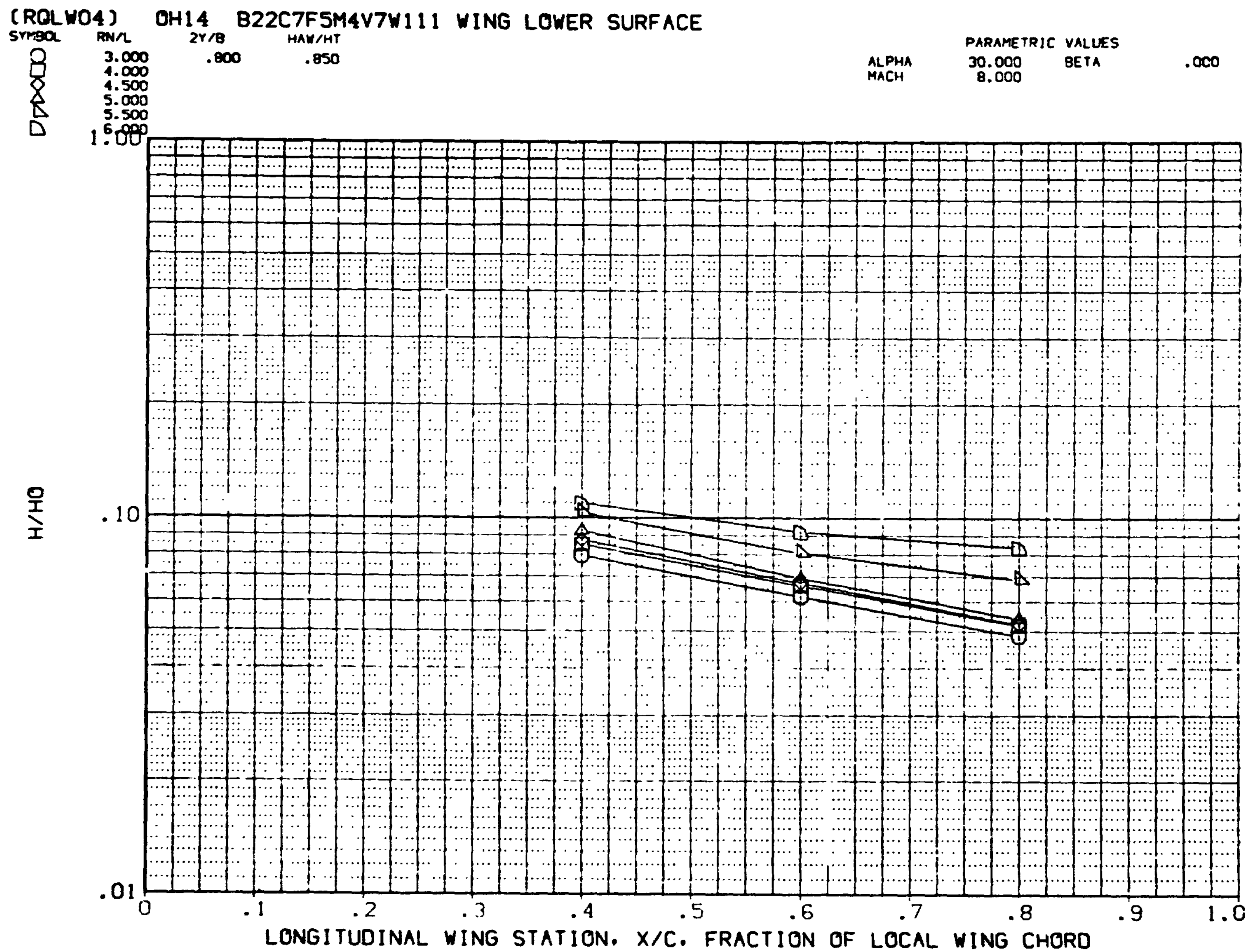


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLW04) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

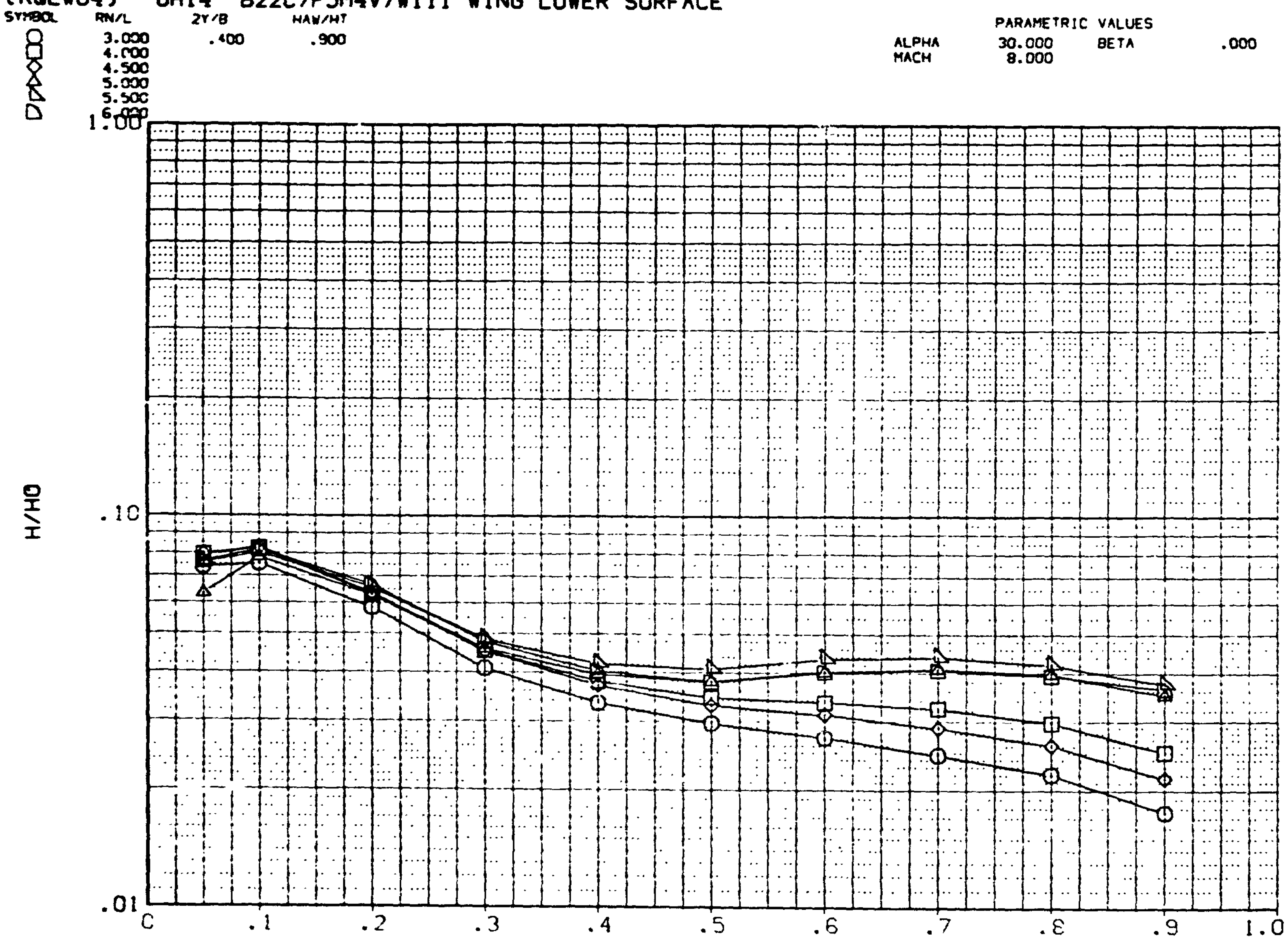


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

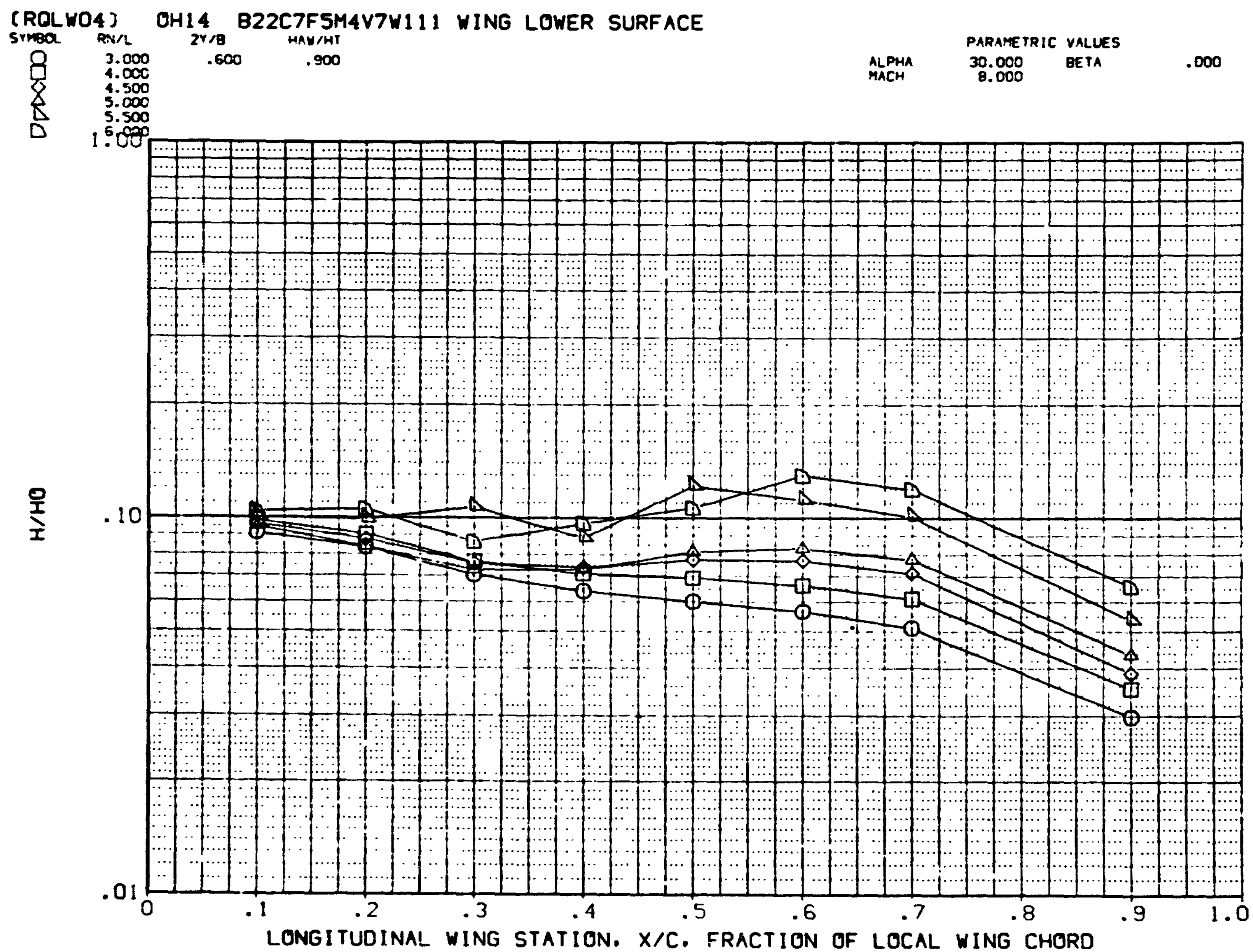


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

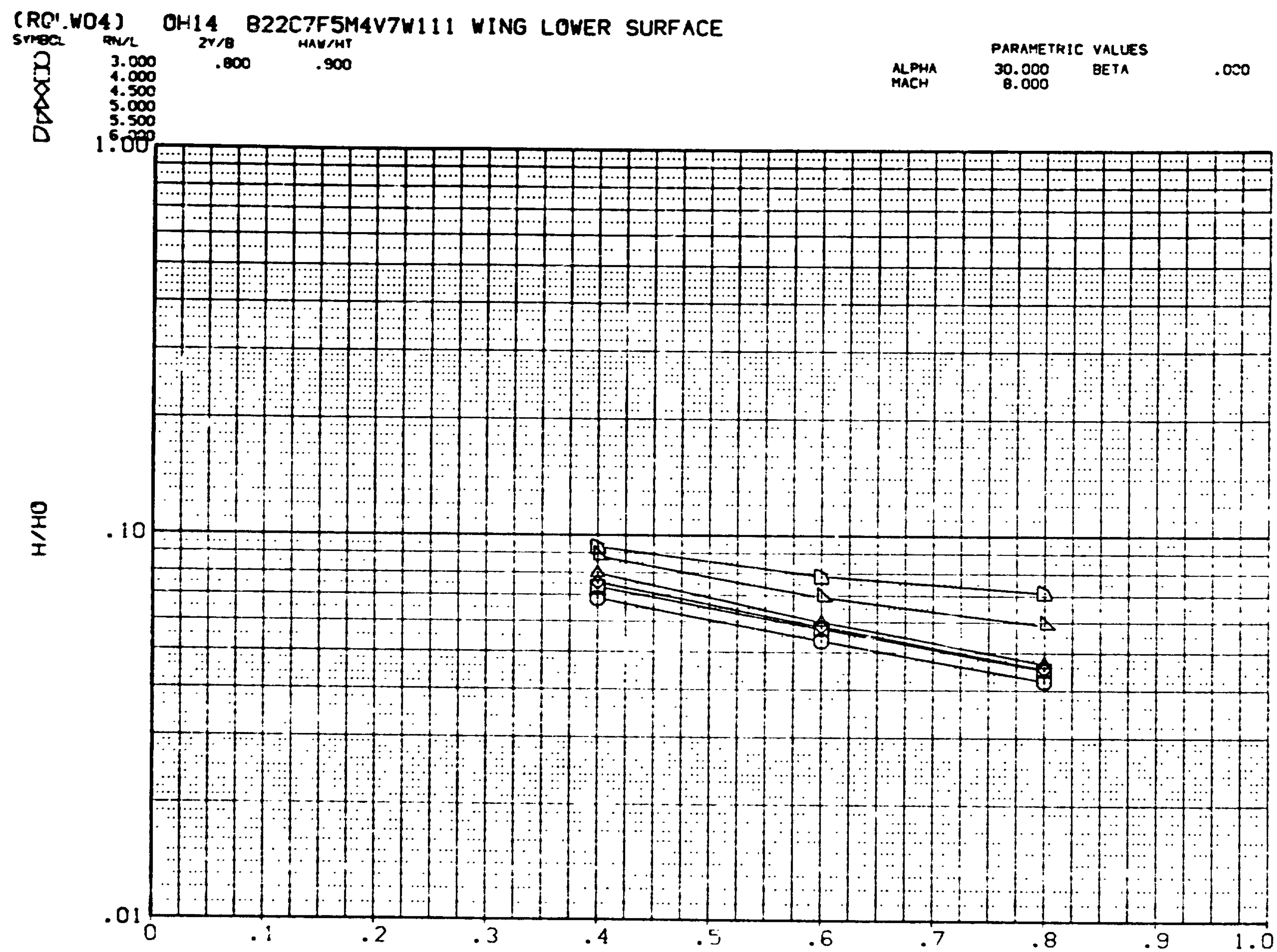


FIG 26 VARIATION OF RN/L ON WING LOWER SURFACE AT 30 DEG. ANGLE OF ATTACK

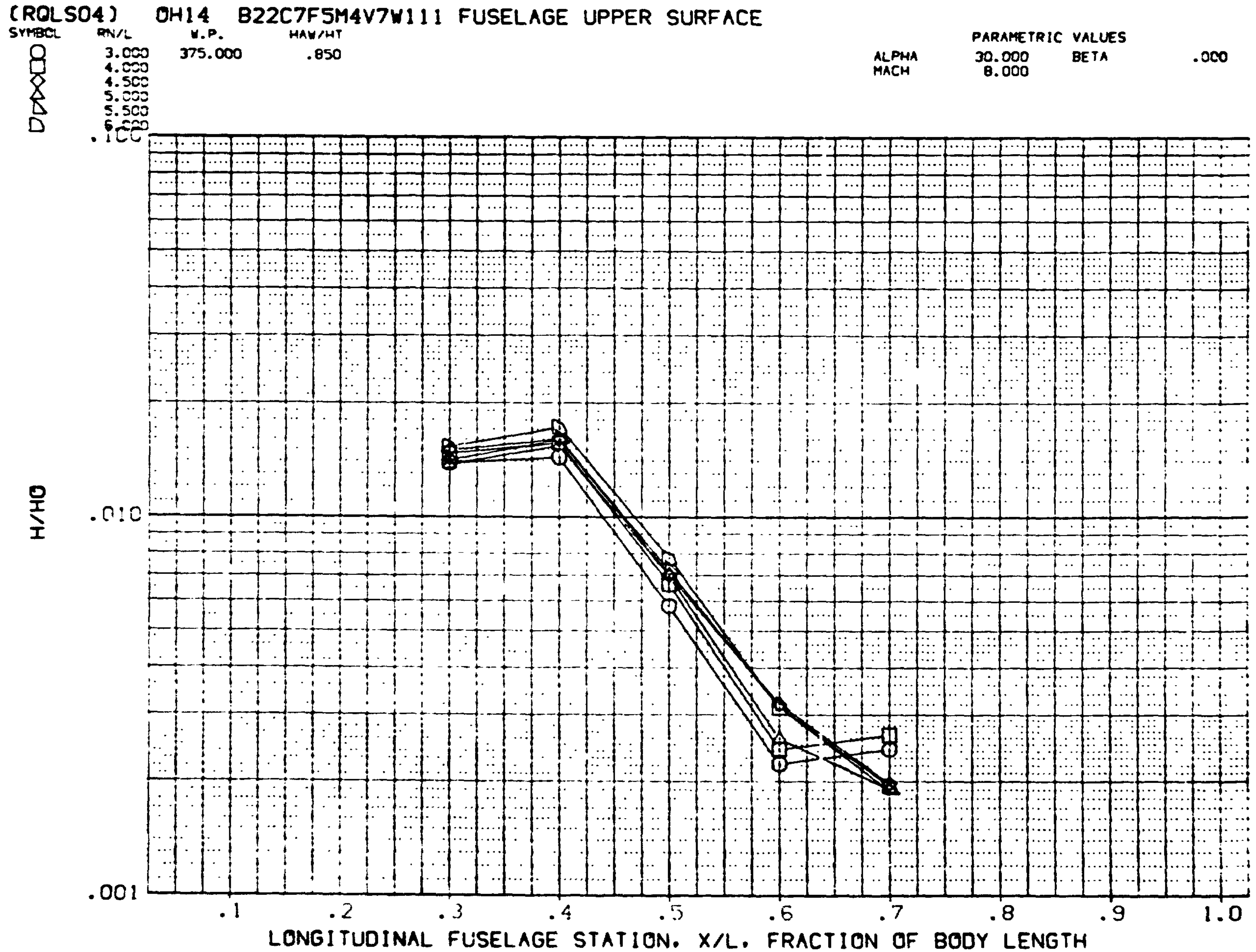


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

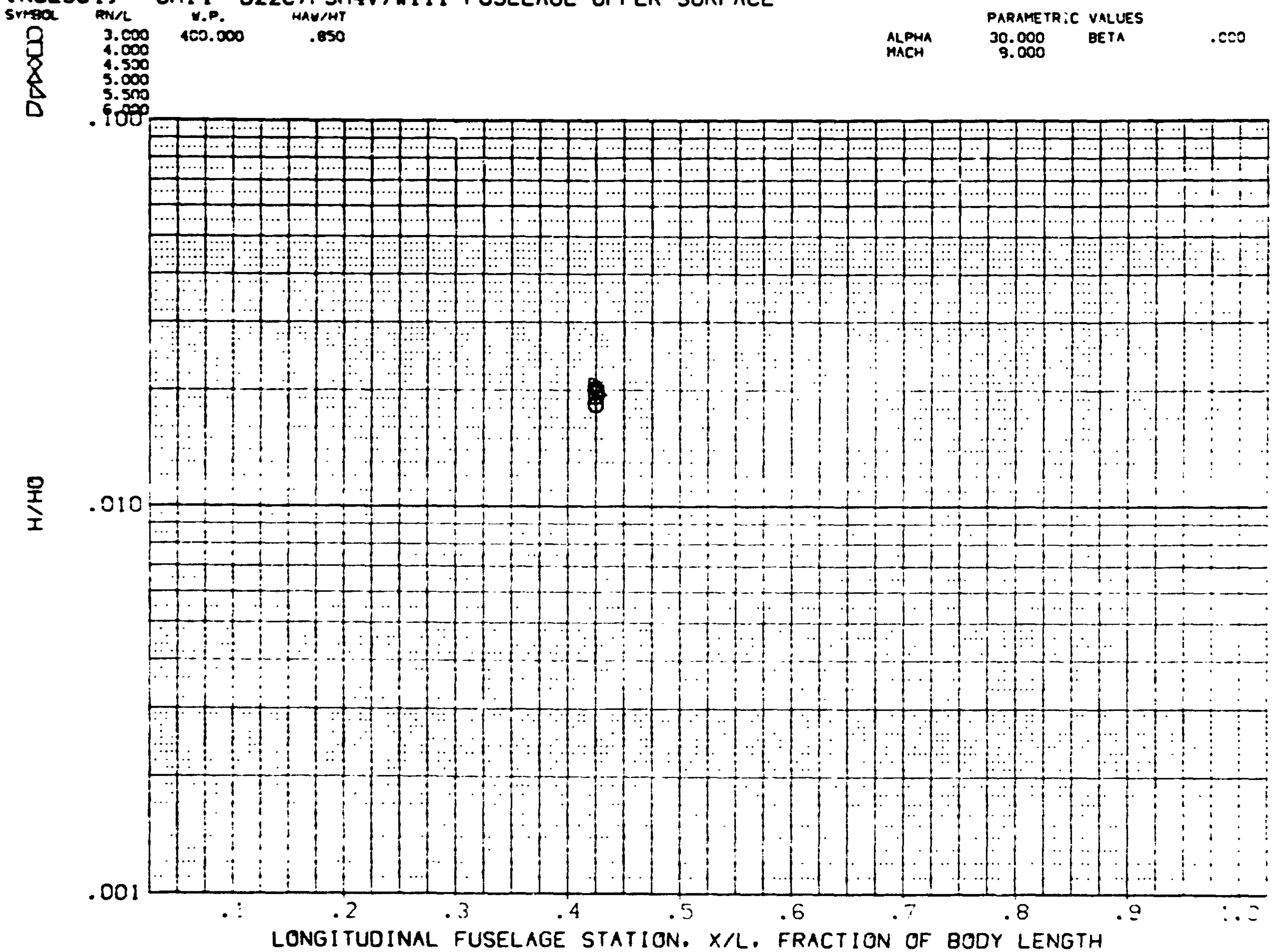


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

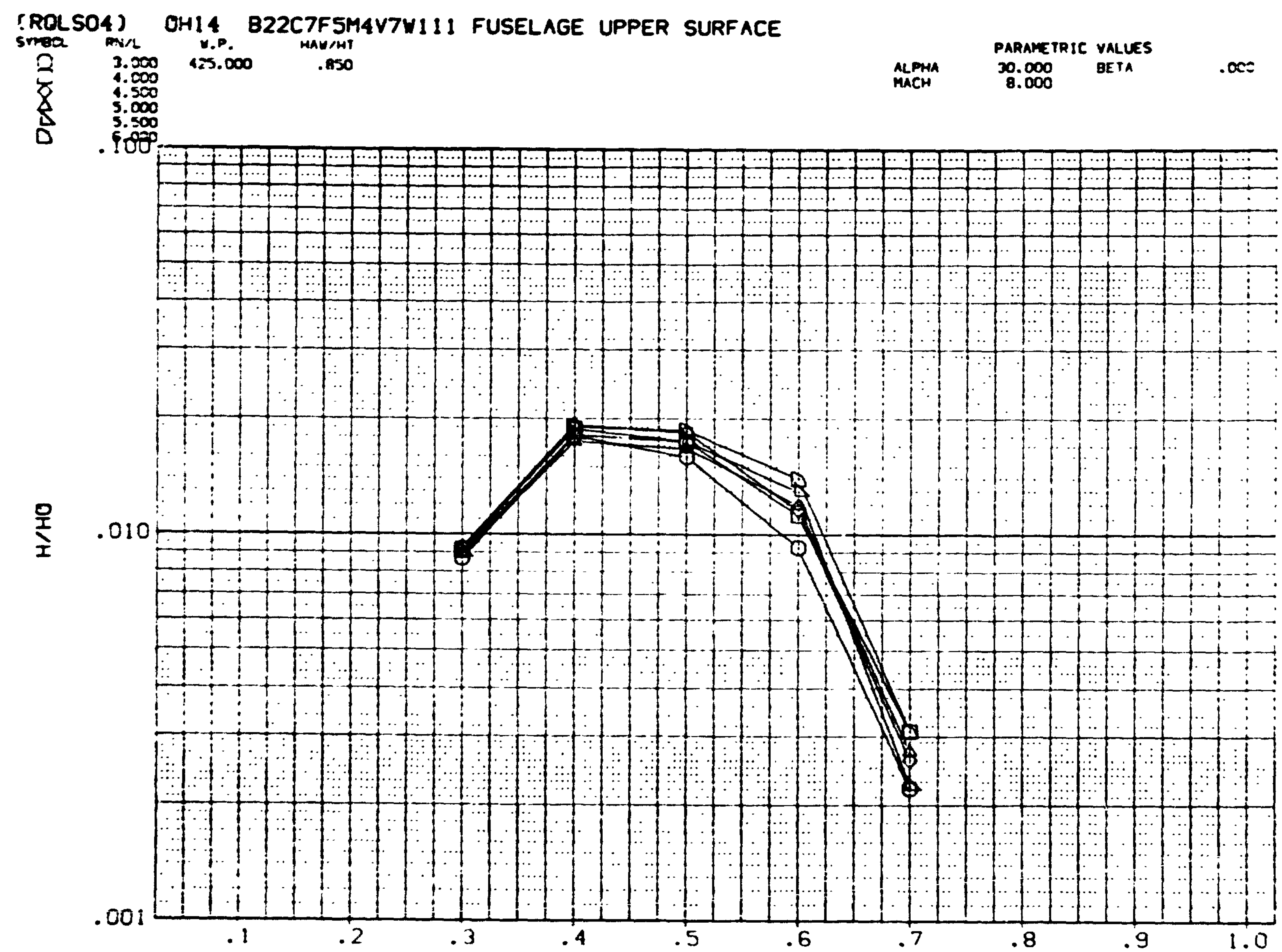


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

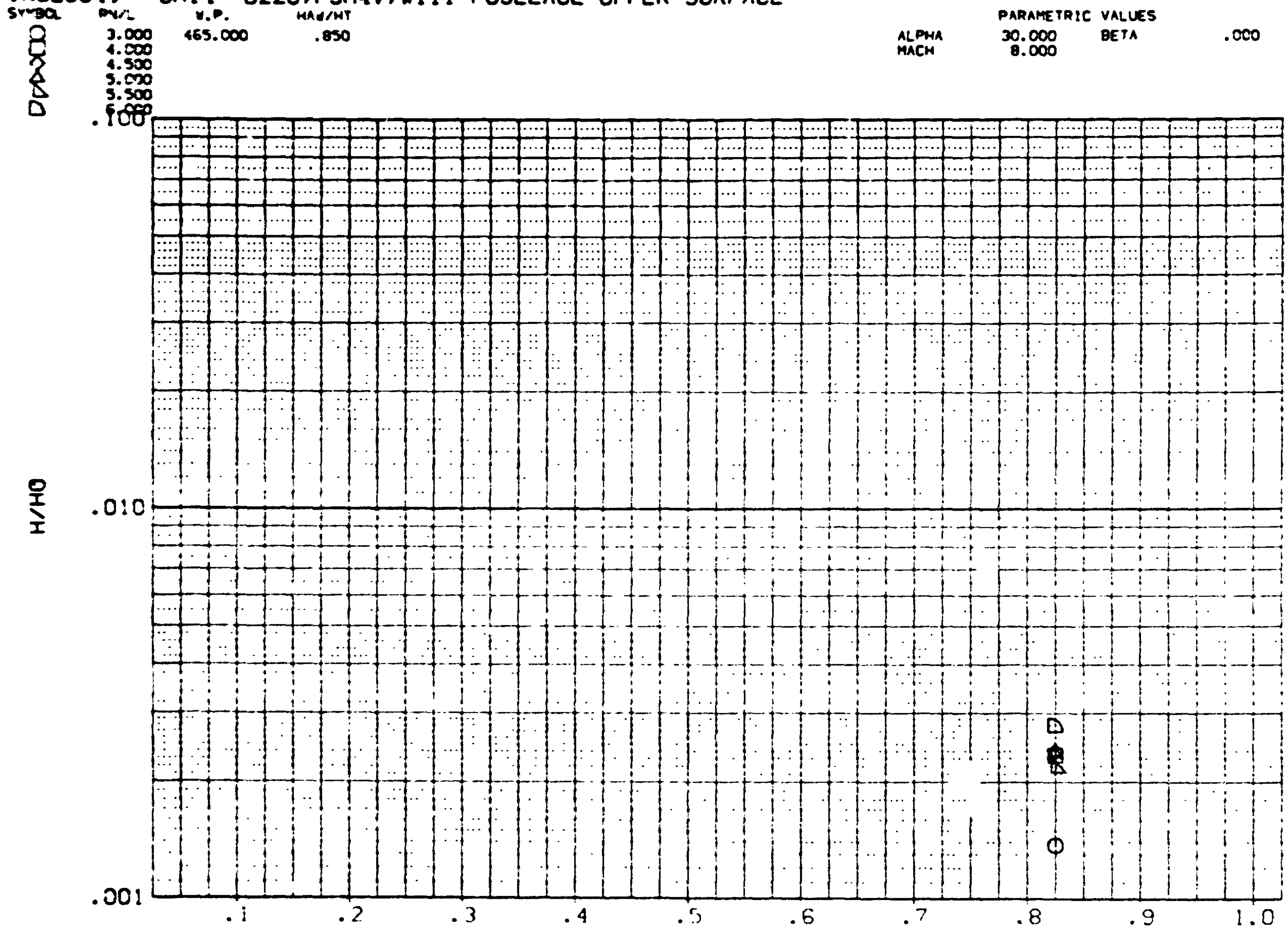


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

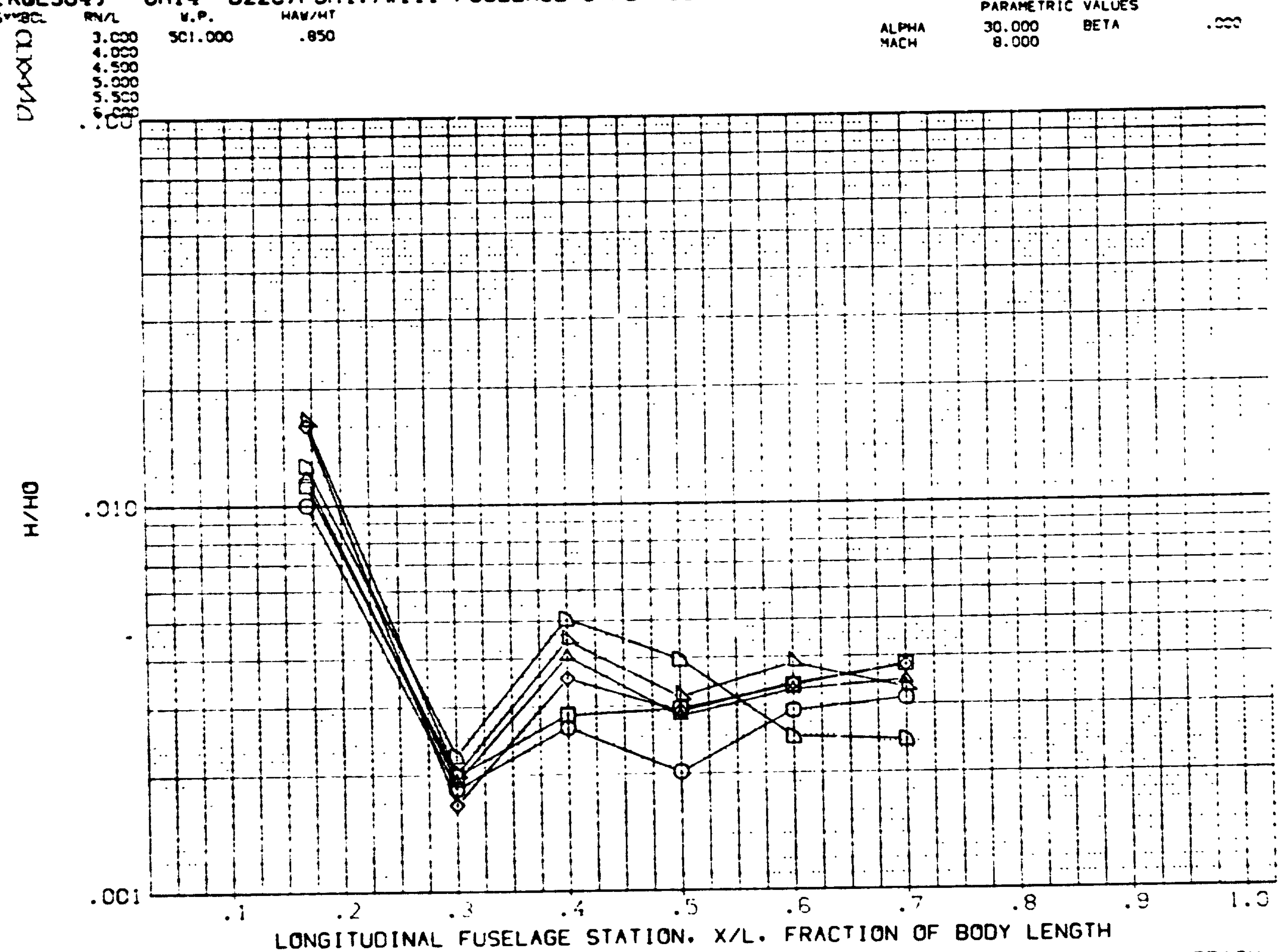


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLSJ4)   OH14   B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

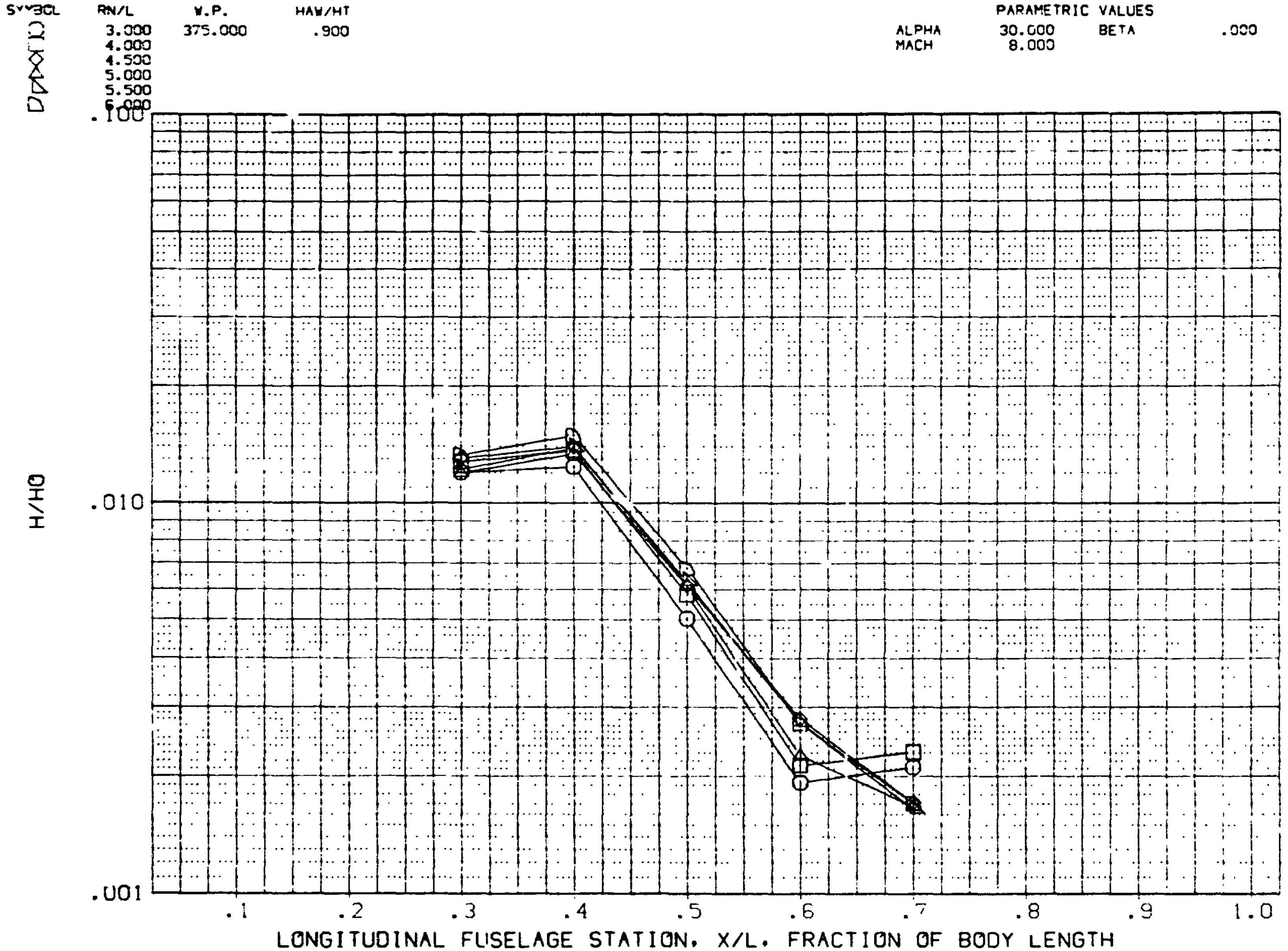


FIG 27   VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

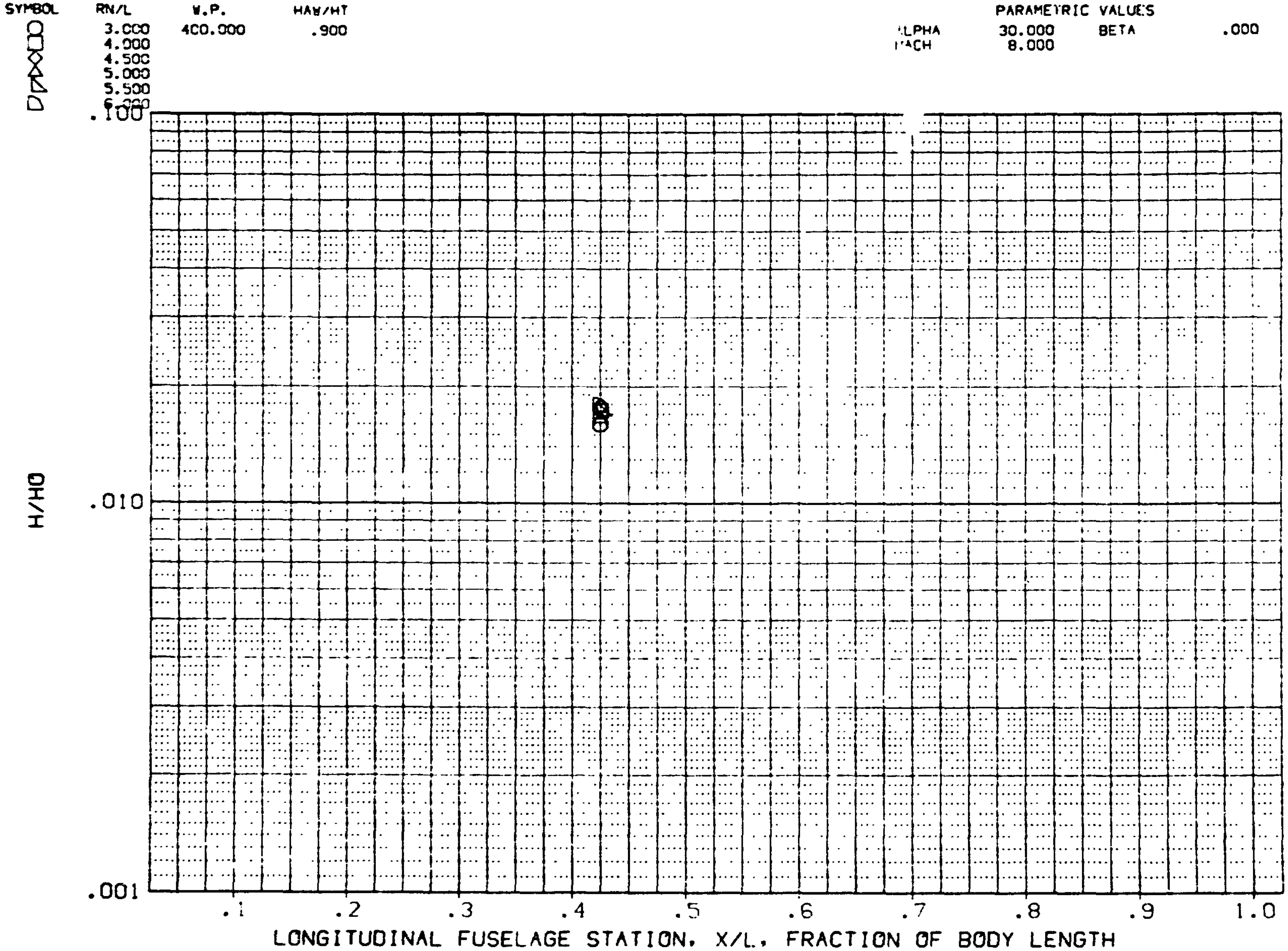


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	3.000	425.000	.900
□	4.000		
◇	4.500		
△	5.000		
◁	5.500		
▷	6.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

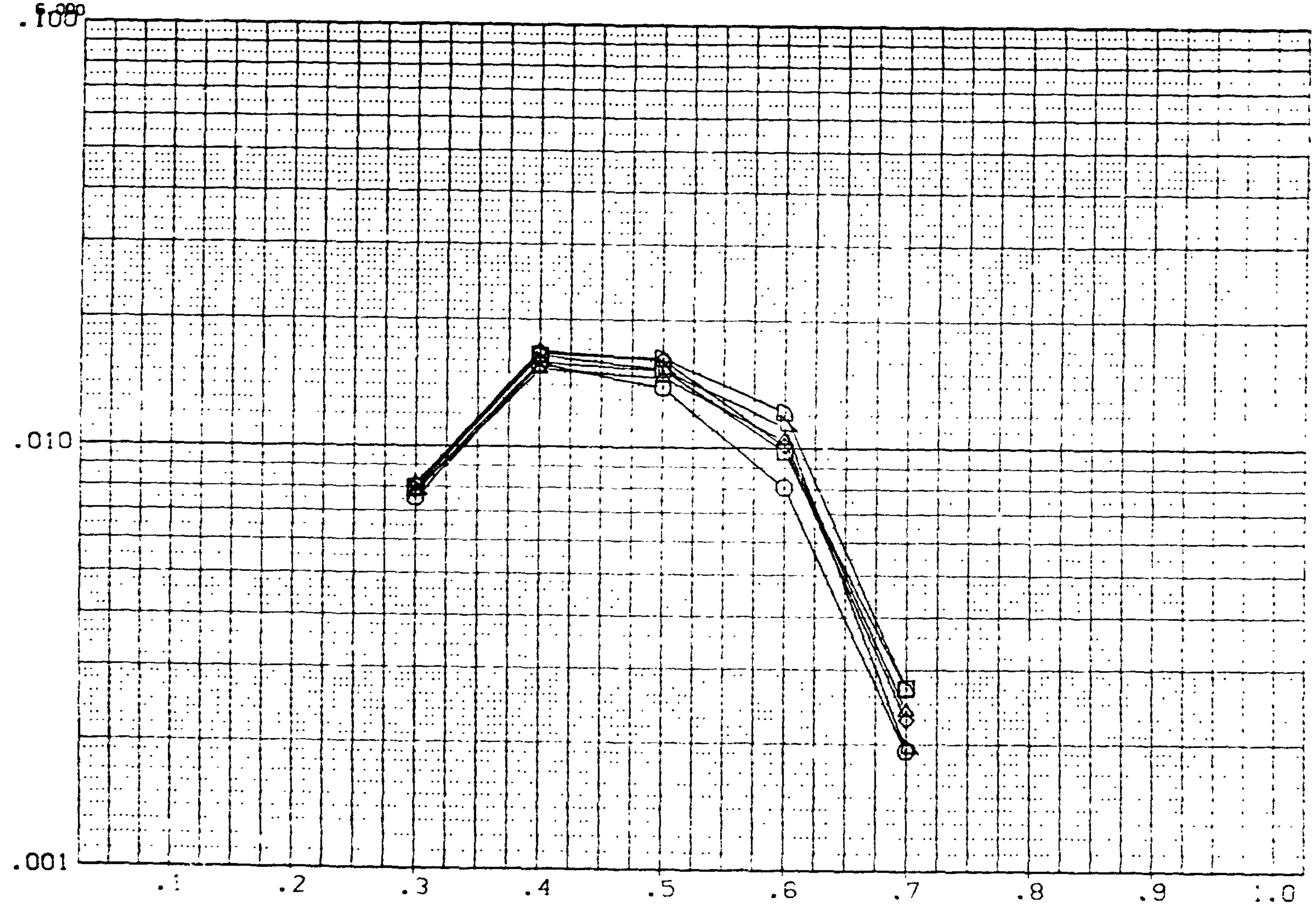


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

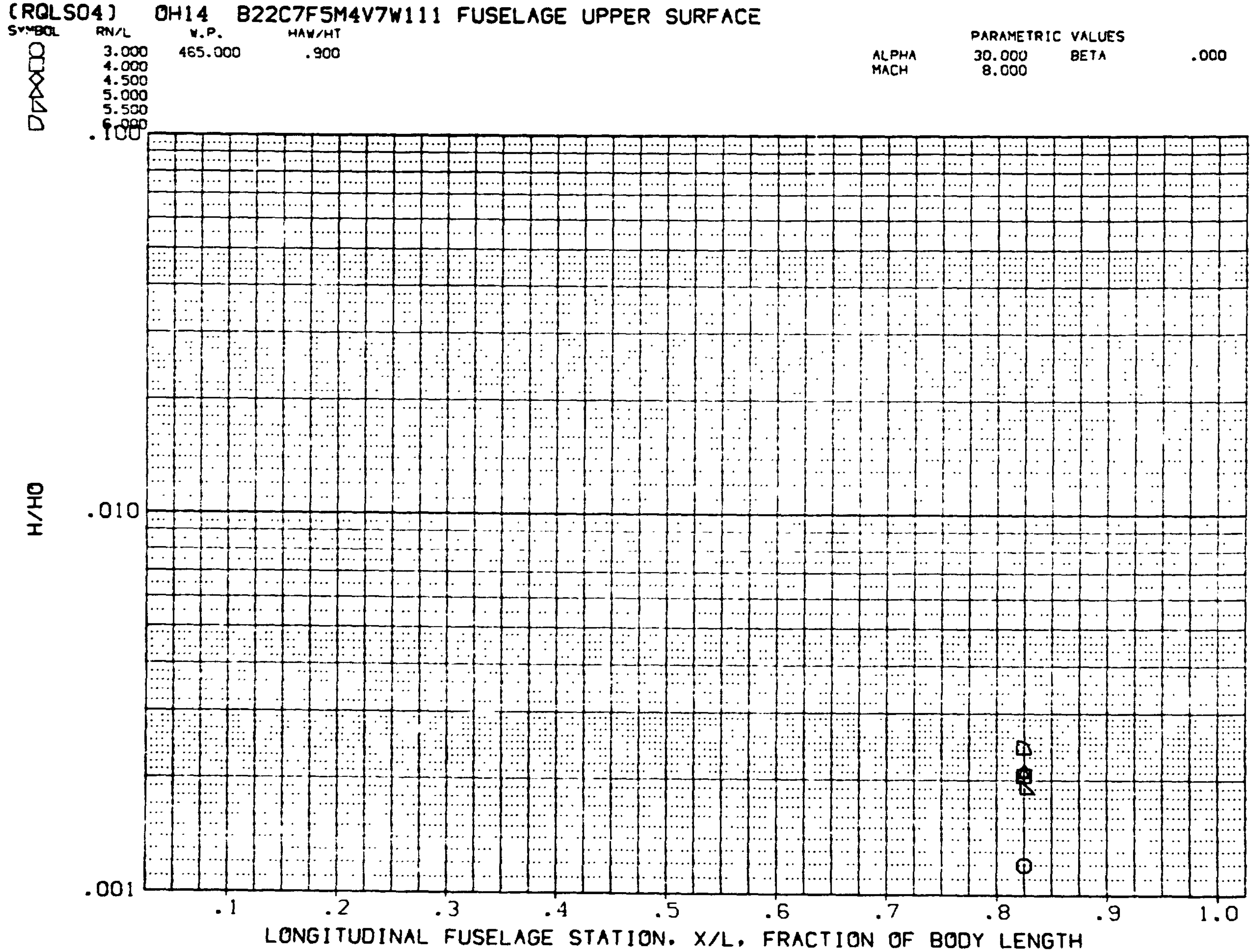


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

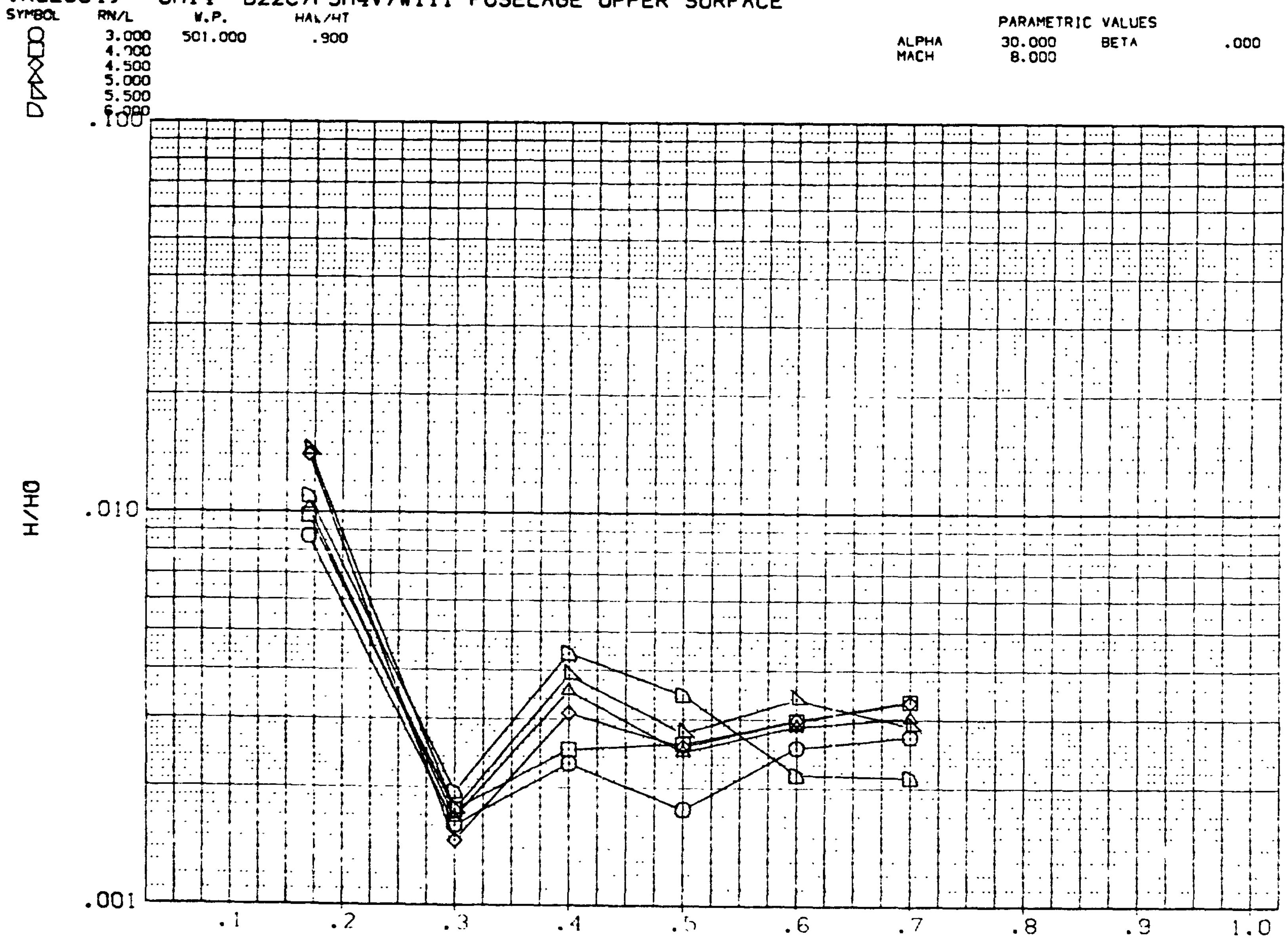


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	375.000	.850
□	4.000		
◇	5.000		
⊿	6.000		
△	8.000		
◁	10.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

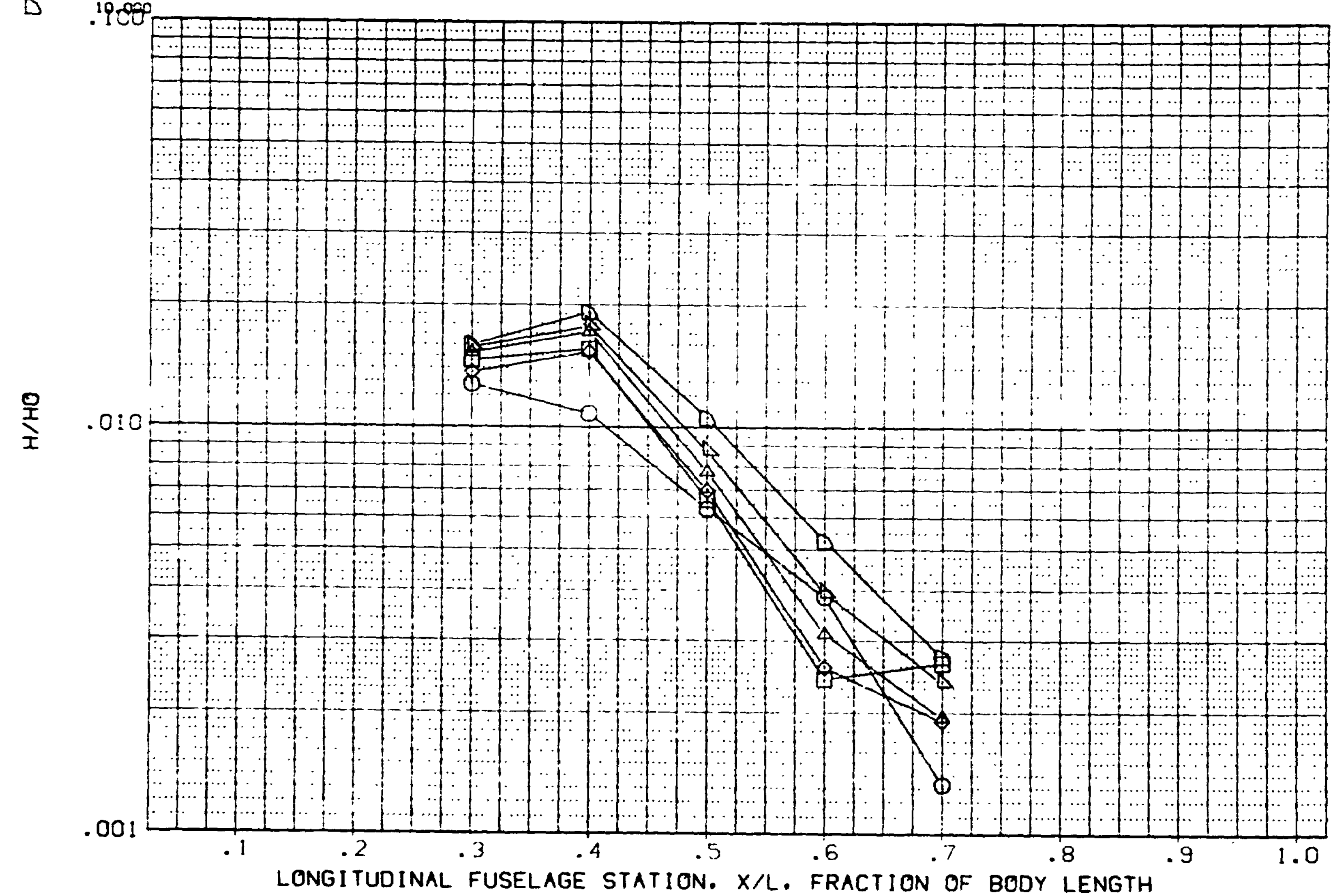
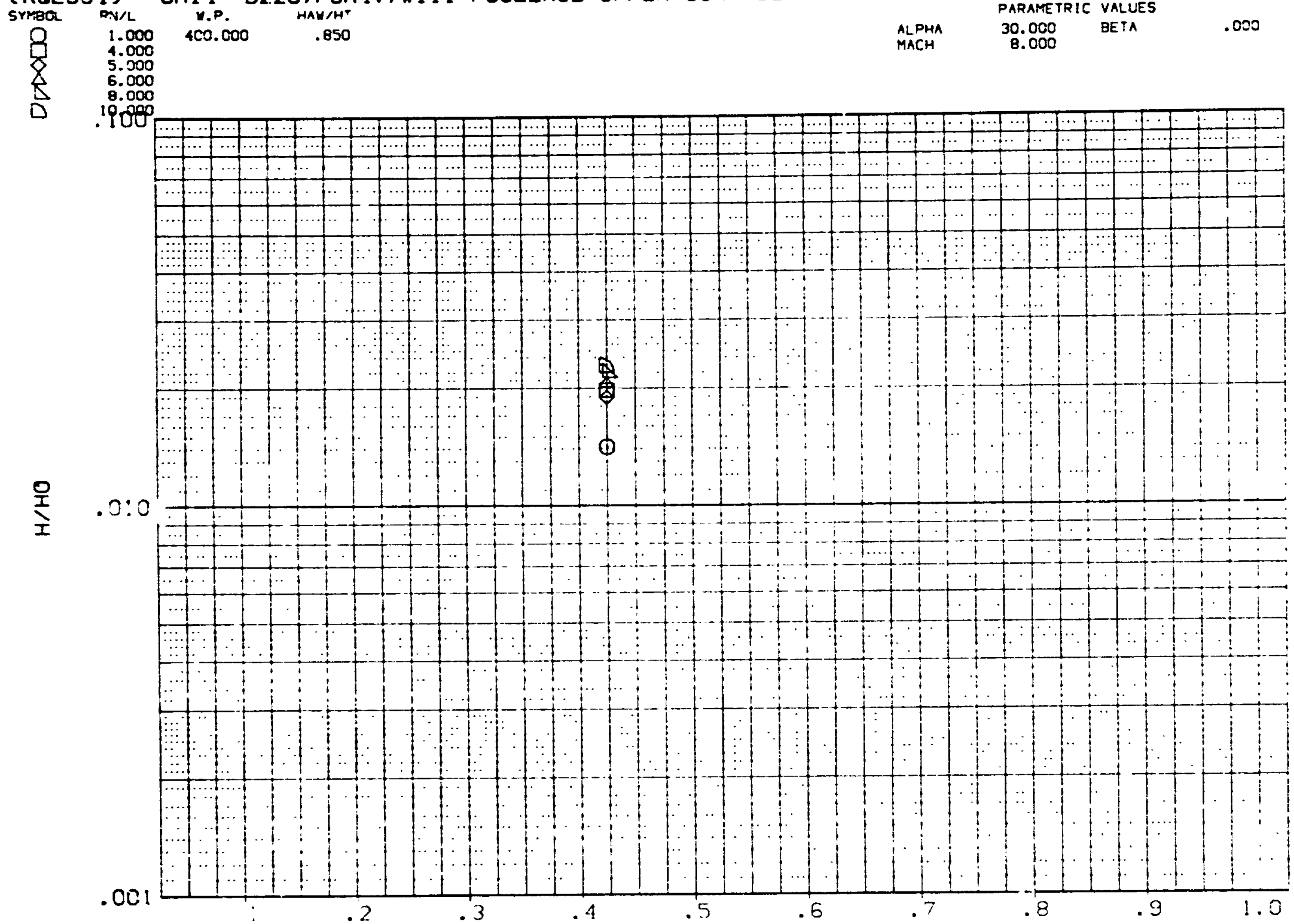


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE



LONGITUDINAL FUSELAGE STATION, X/L, FRACTION OF BODY LENGTH

FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

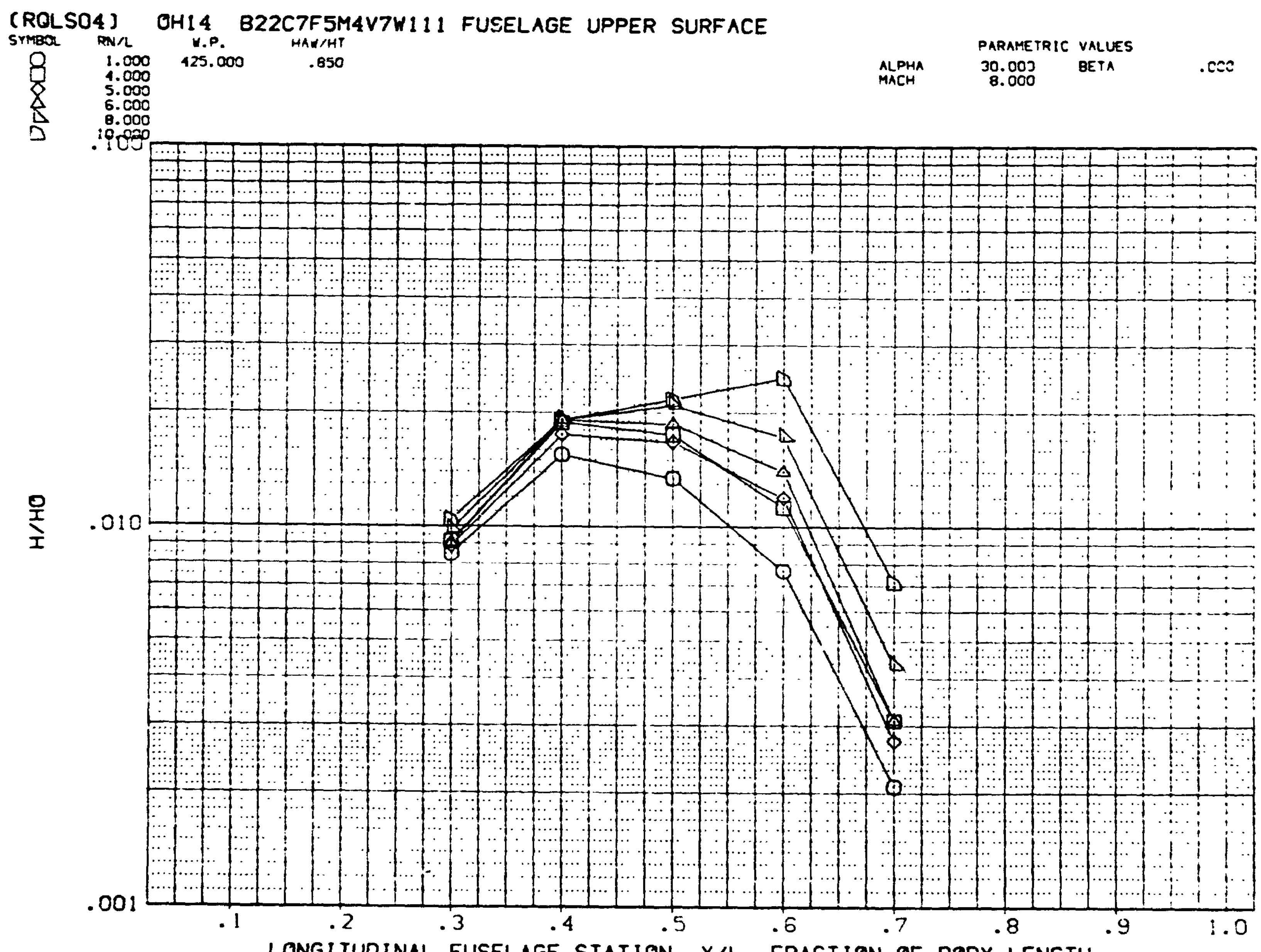


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	465.000	.850
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA	30.000	BETA	.000
MACH	8.000		

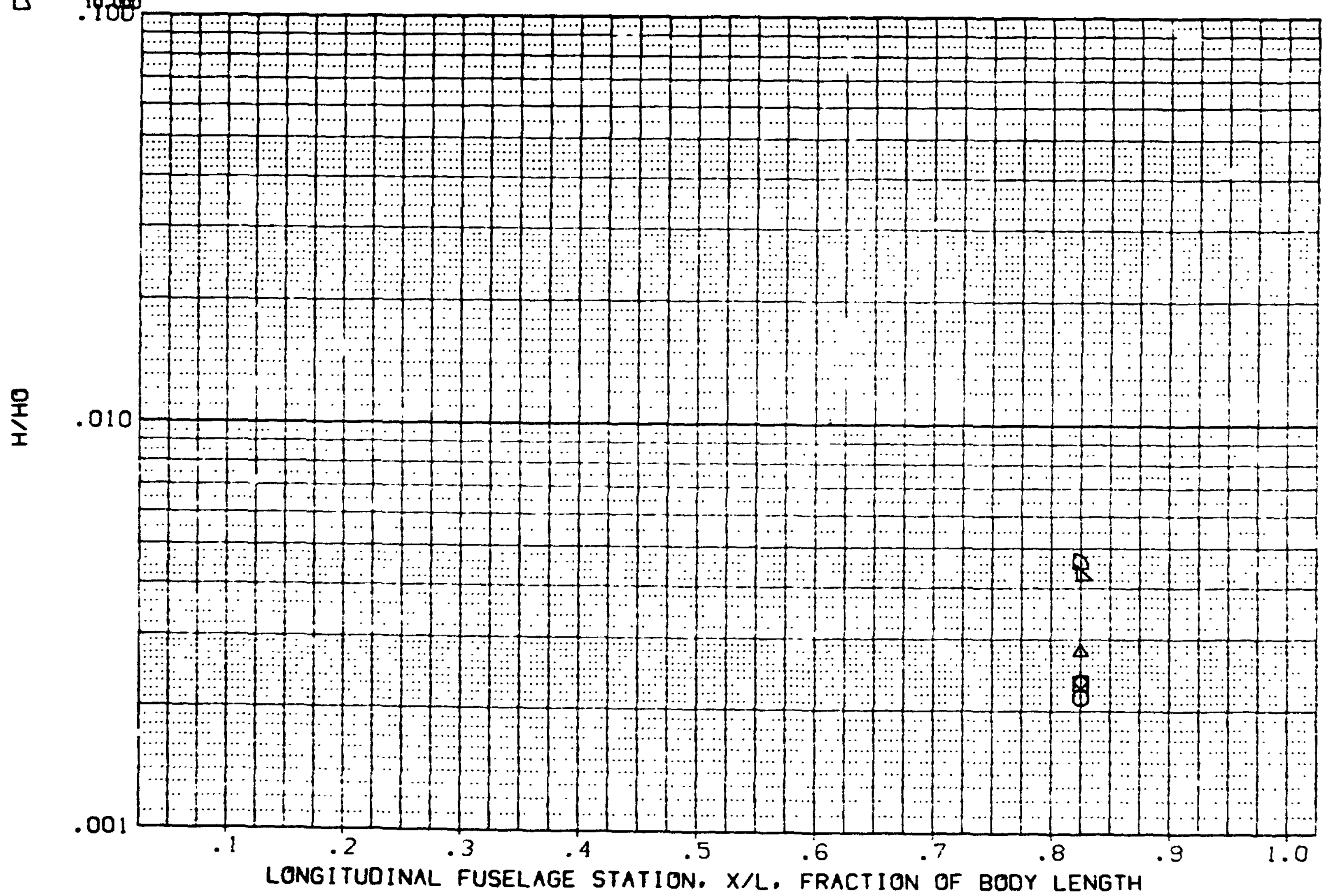


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

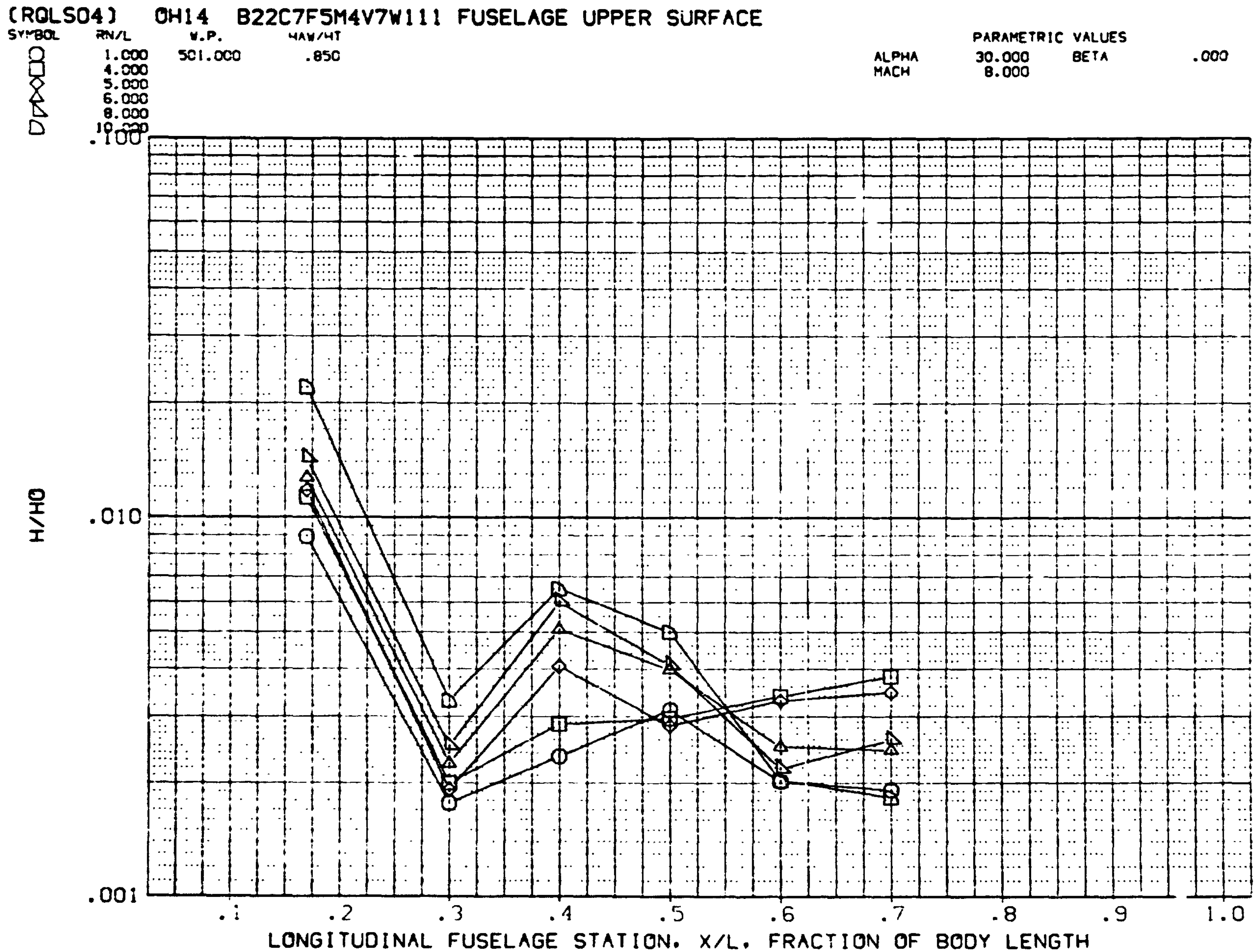


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

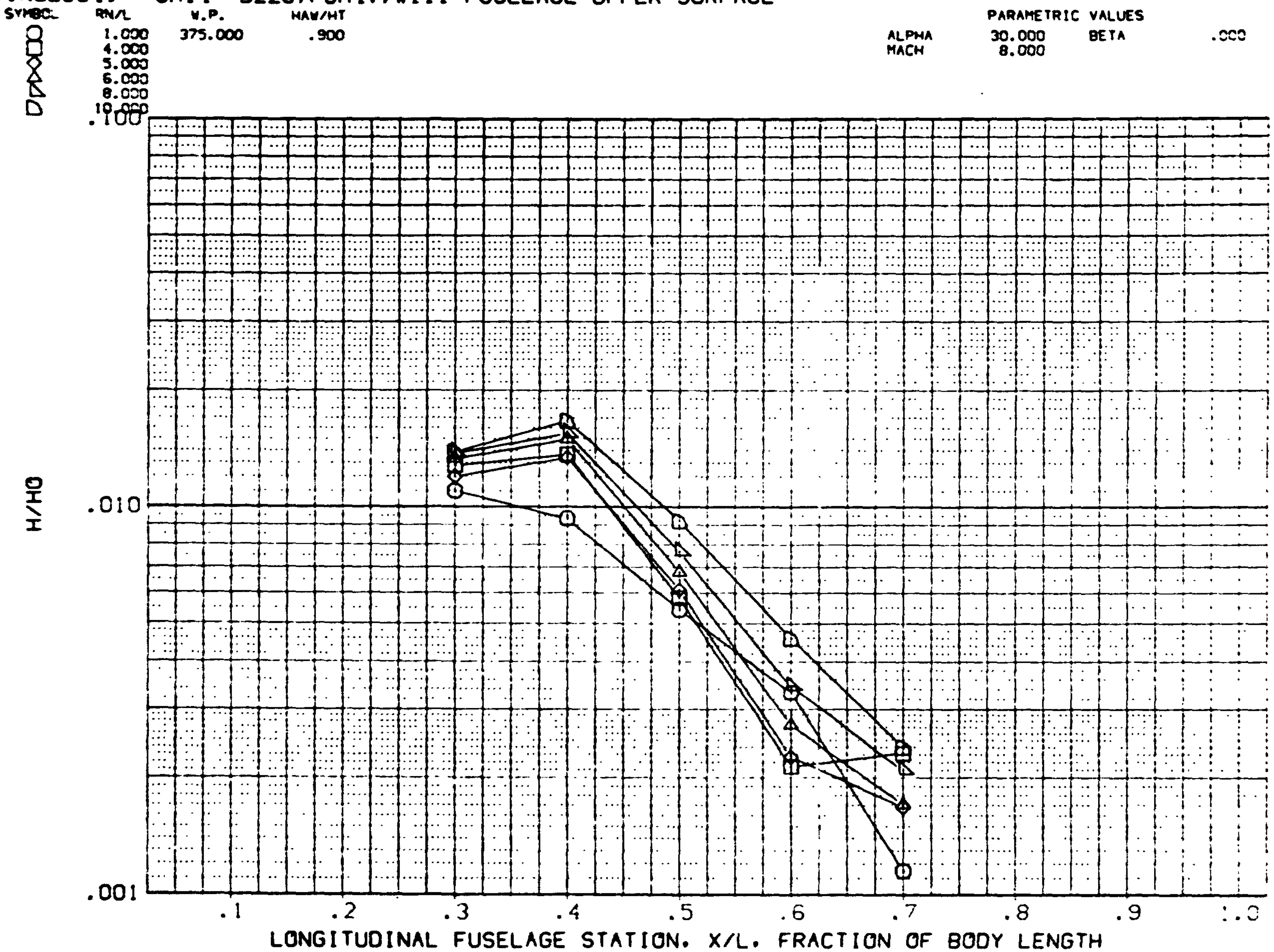


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

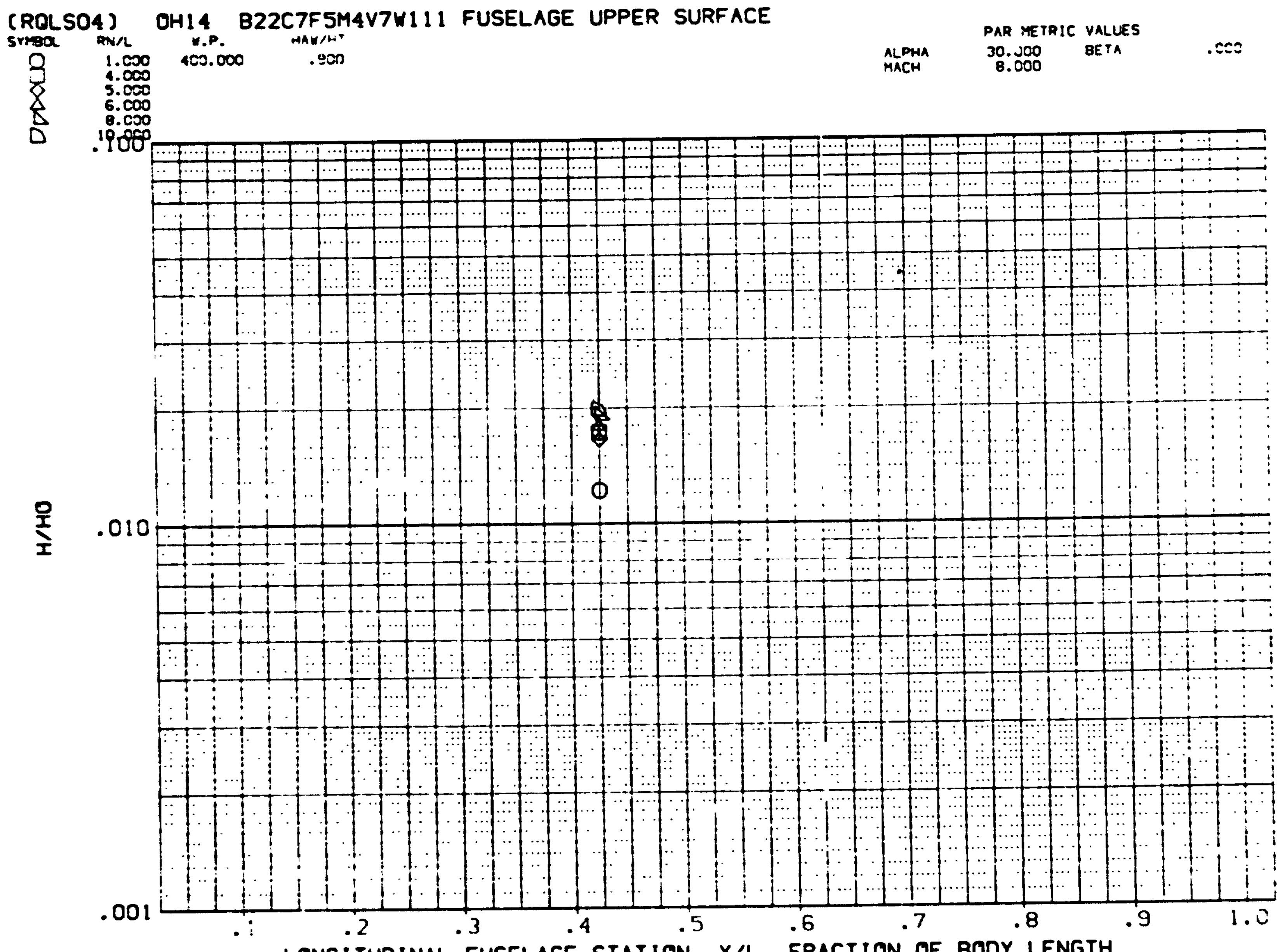


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

(RQLS04) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	425.000	.900
□	4.000		
◇	5.000		
⨯	6.000		
△	8.000		
◁	10.000		

PARAMETRIC VALUES

ALPHA 30.000 BETA .000
MACH 8.000

FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

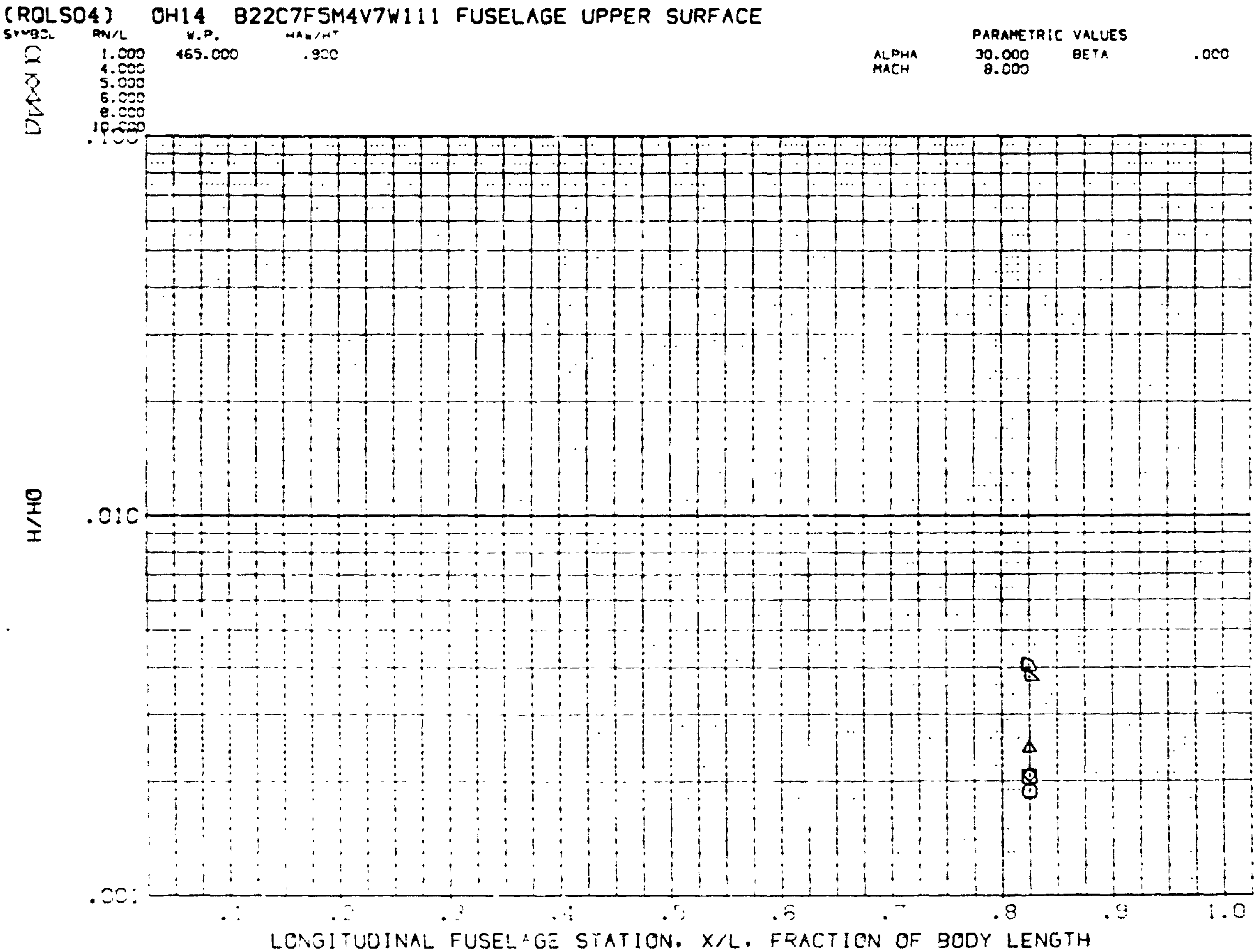


FIG 27   VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

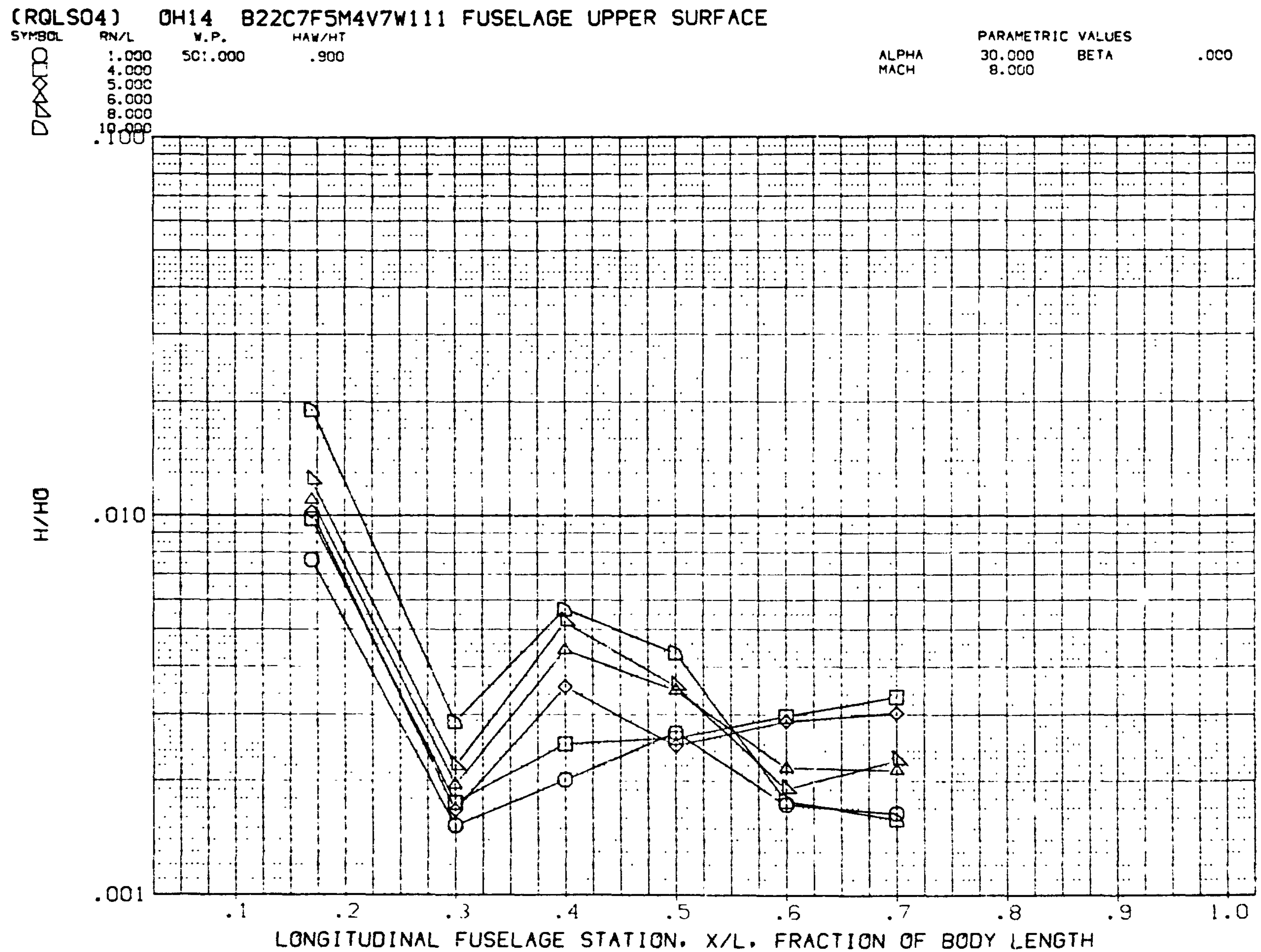


FIG 27 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 30 DEG. ANGLE OF ATTACK

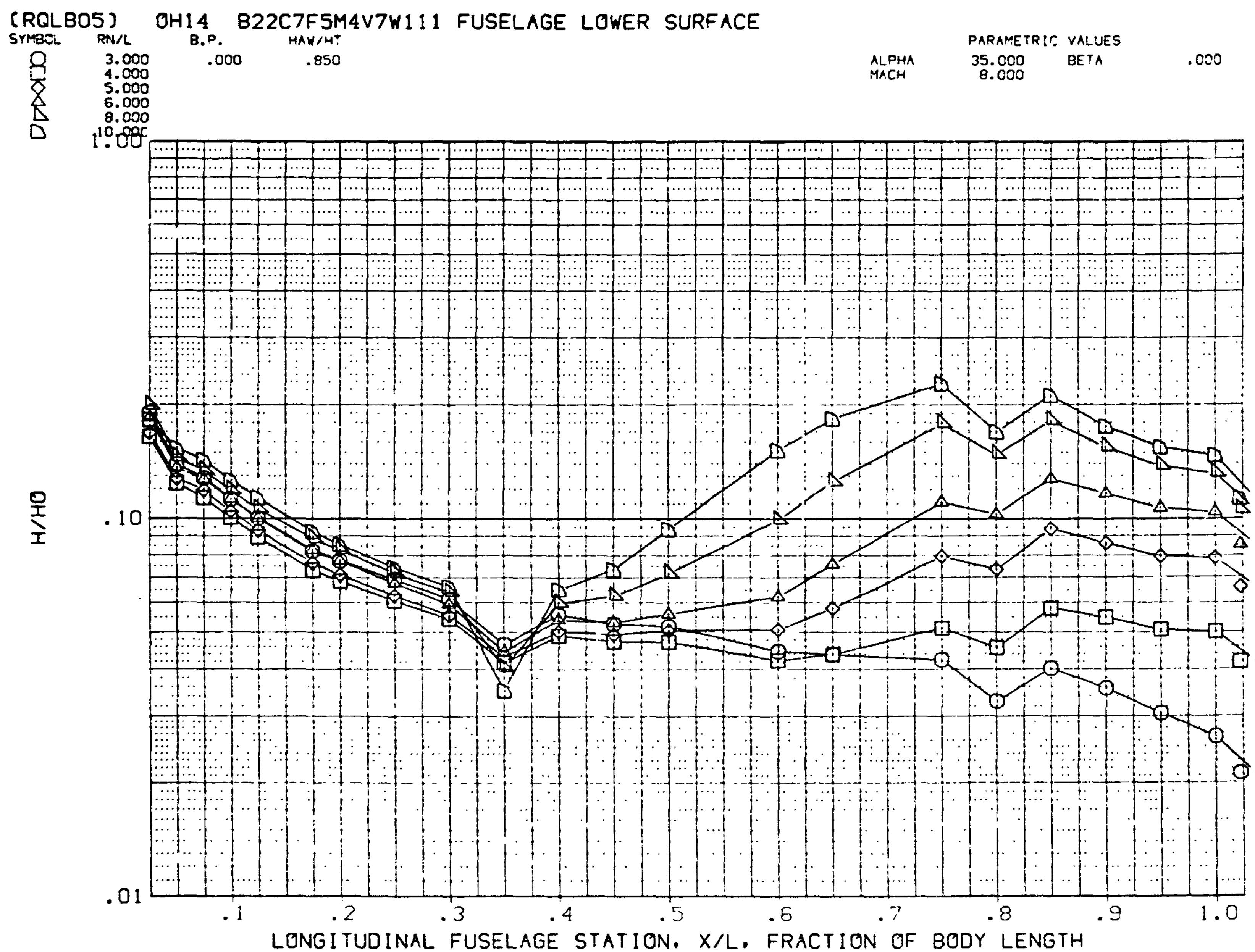


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

SYMBOL	RN/L	B.P.	HAW/HT
○	3.000	117.000	.850
□	4.000		
◇	5.000		
△	6.000		
◺	8.000		
◻	10.000		

PARAMETRIC VALUES
ALPHA 35.000 BETA .000
MACH 8.000

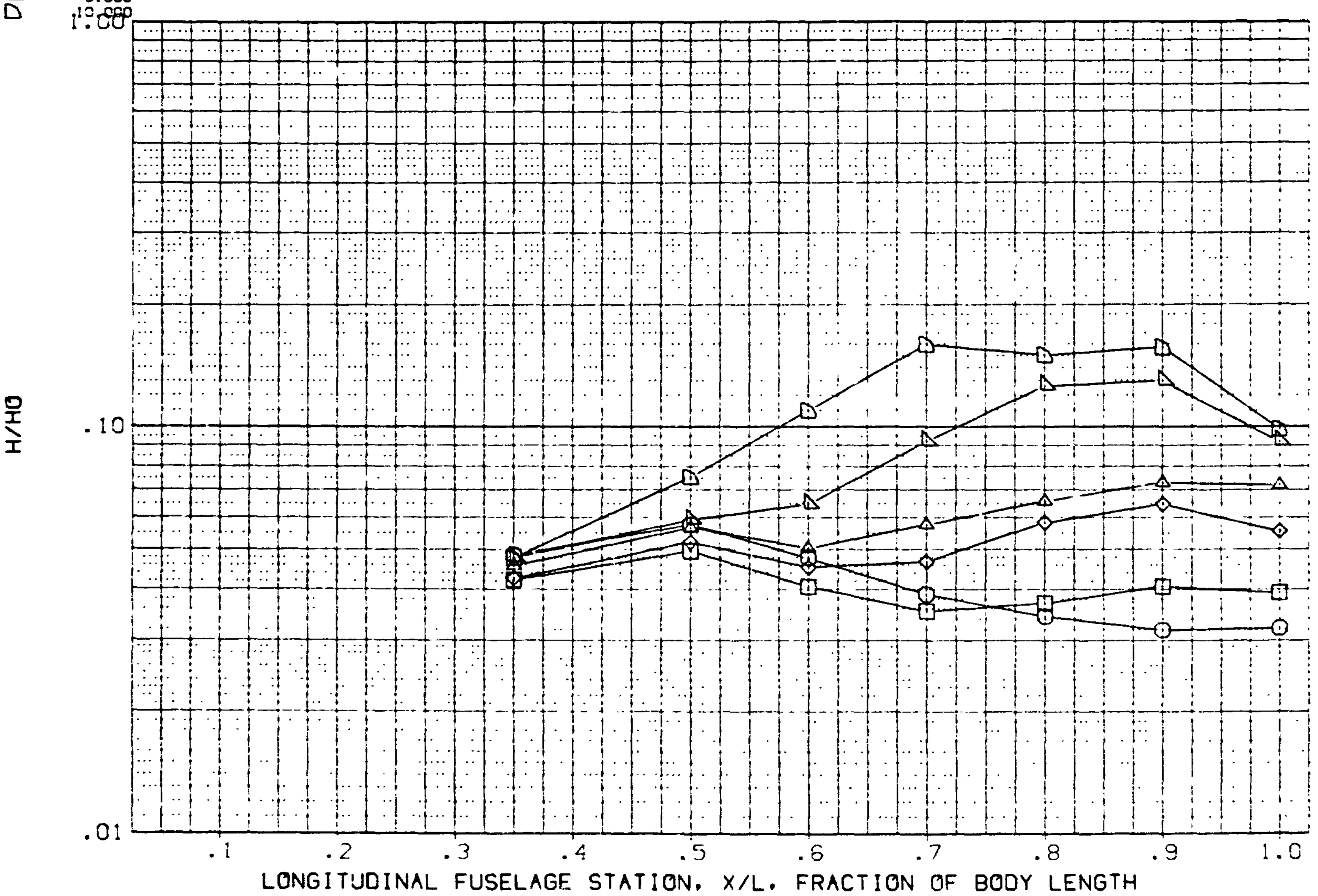


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

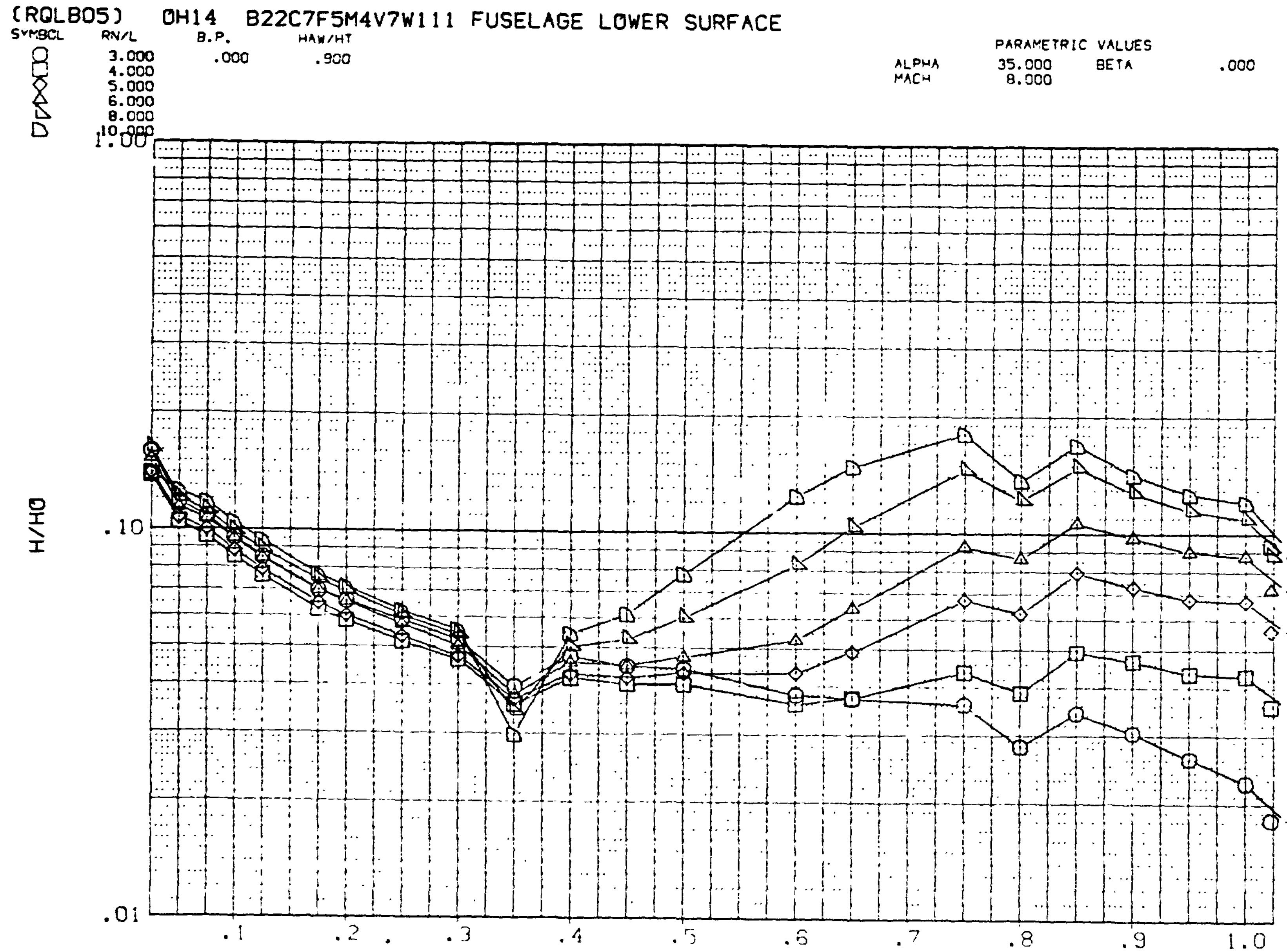


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

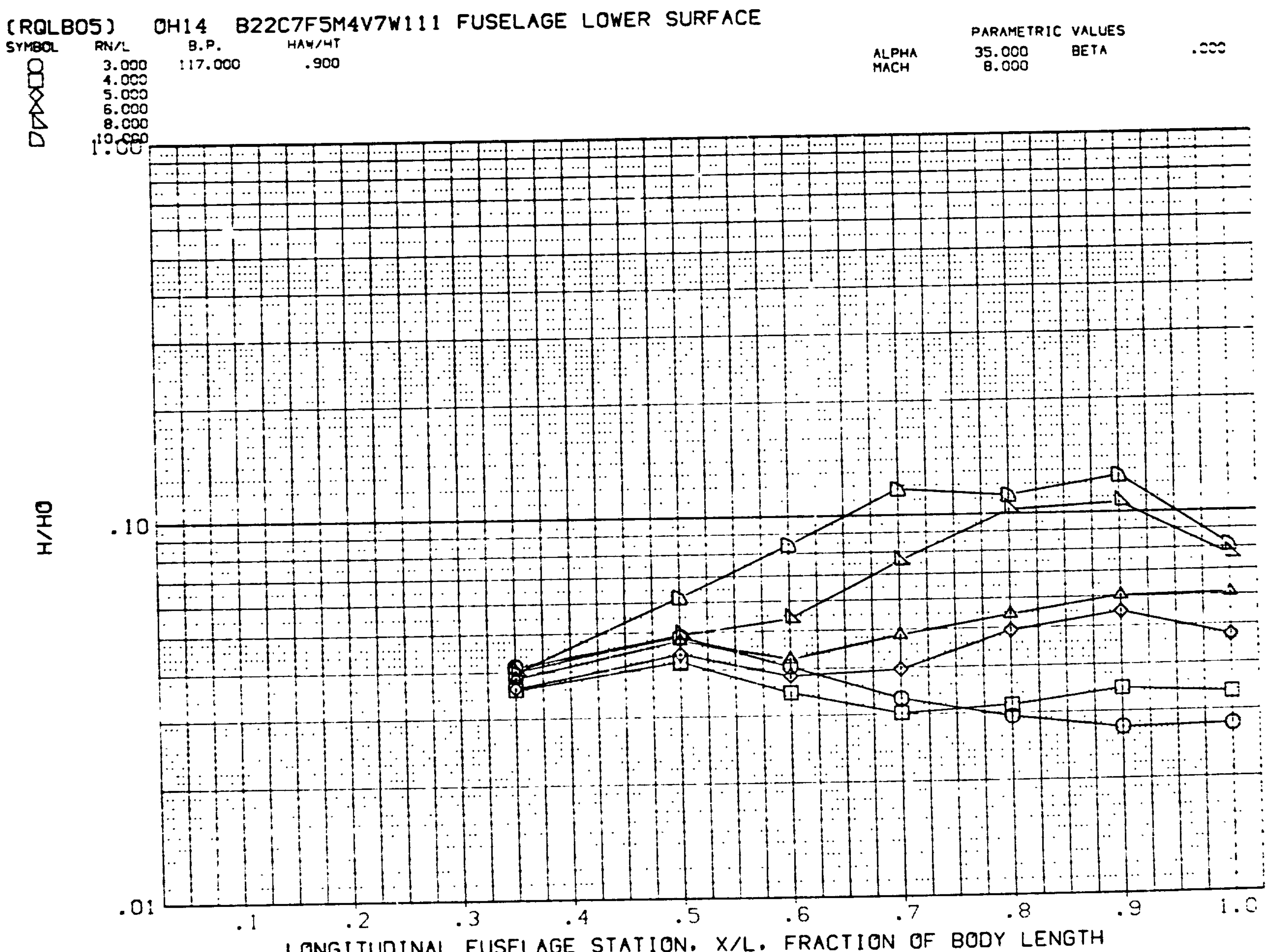


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

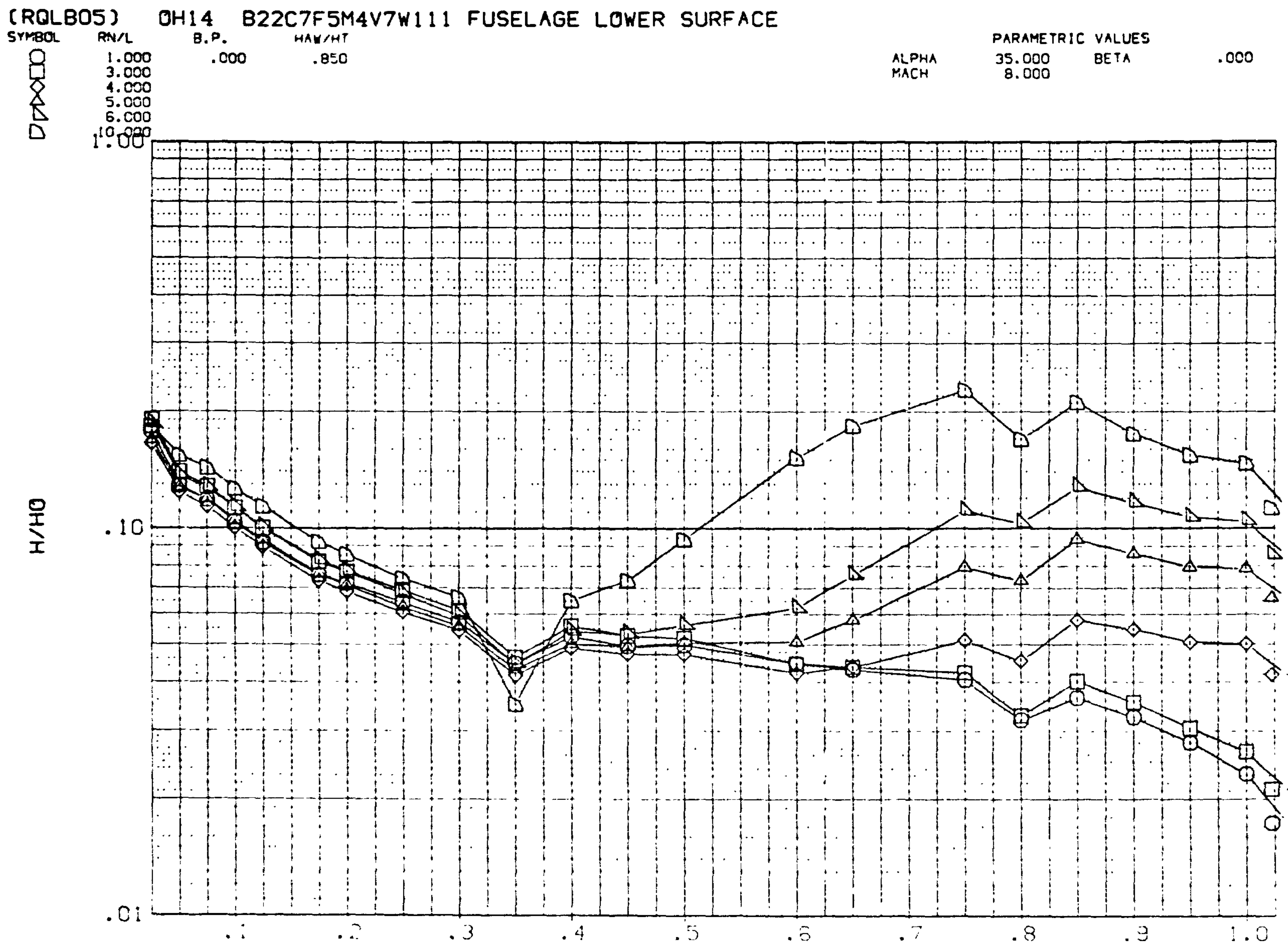


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE

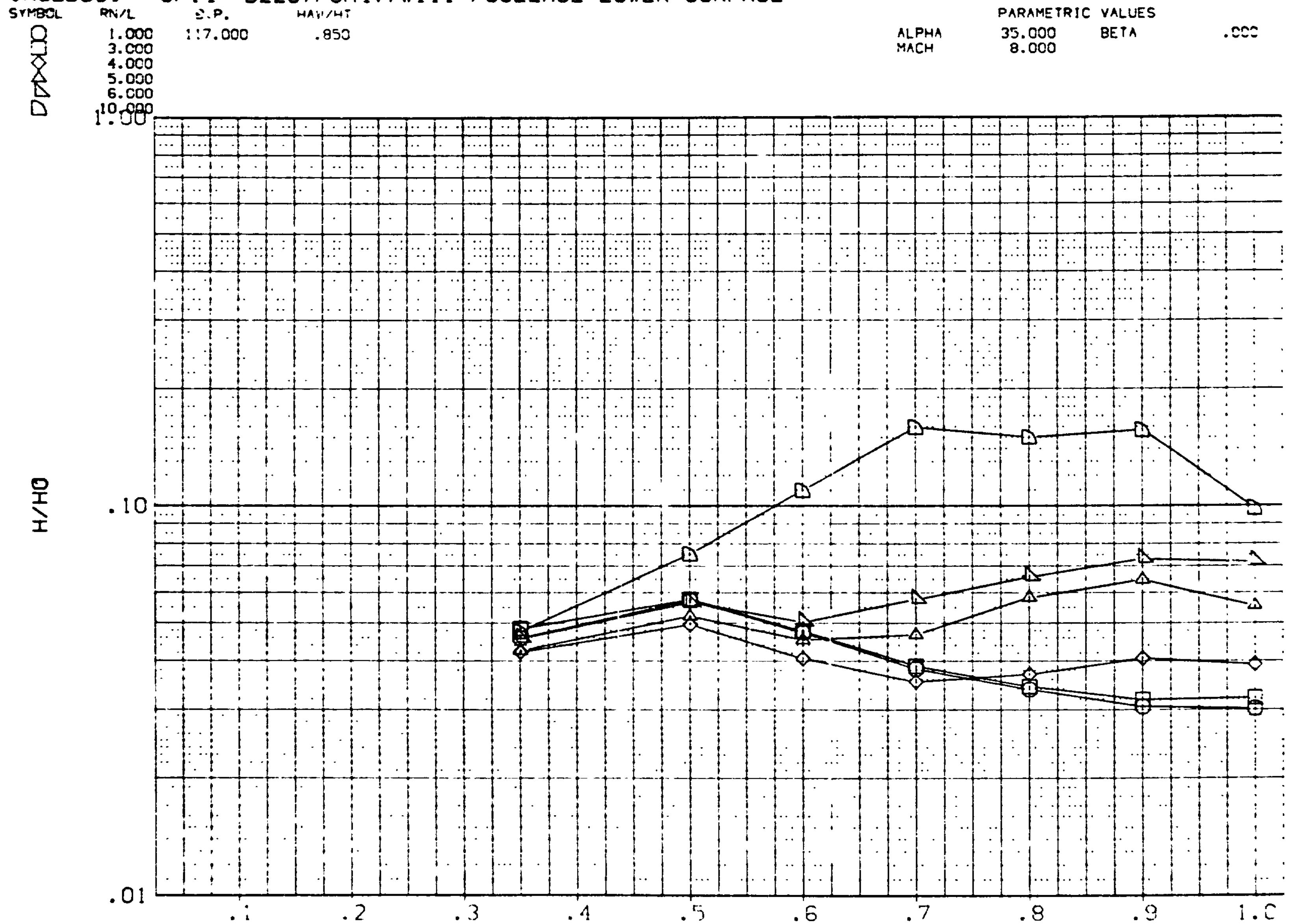


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLB05) OH14 B22C7F5M4V7W11 FUSELAGE LOWER SURFACE

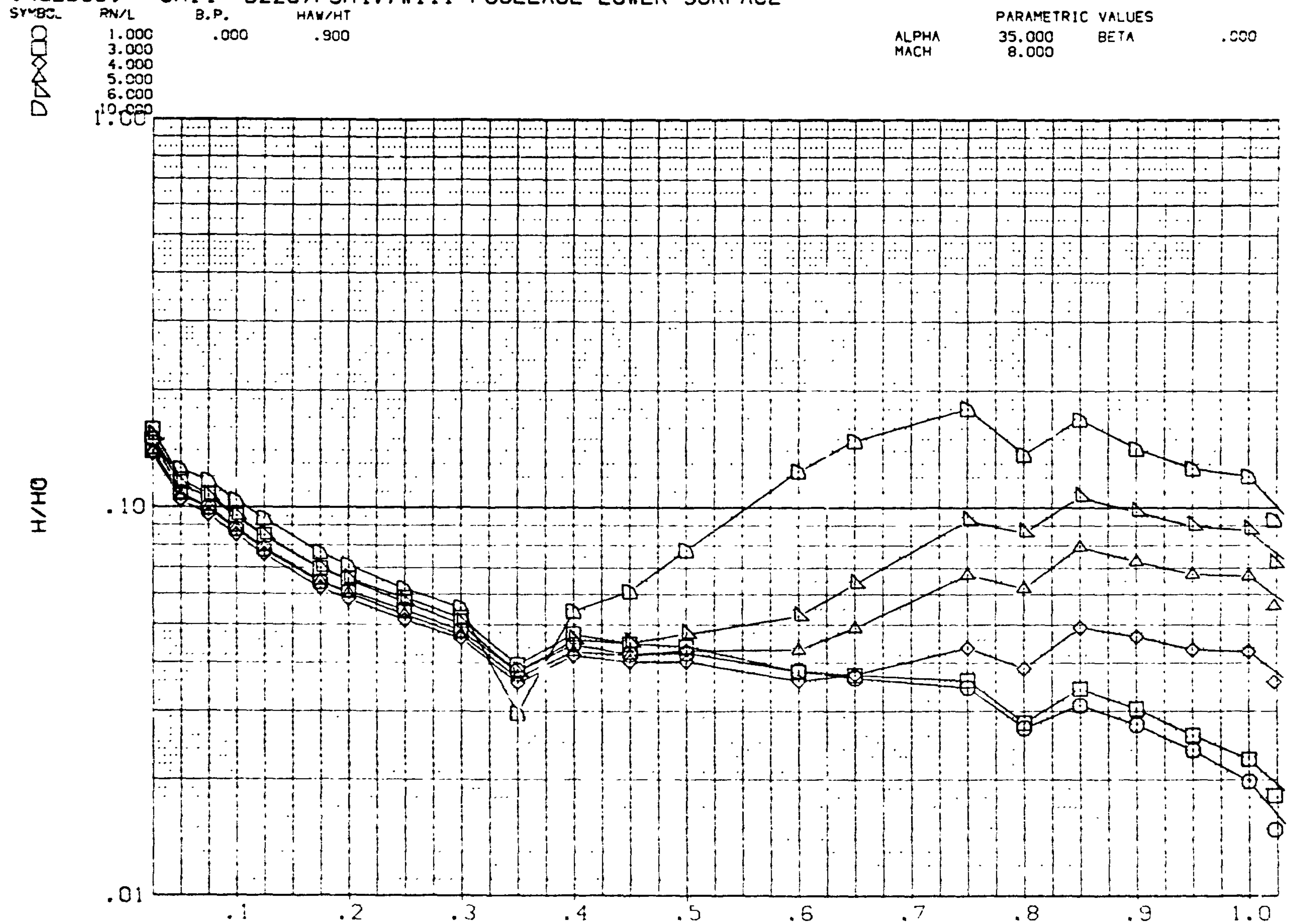


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

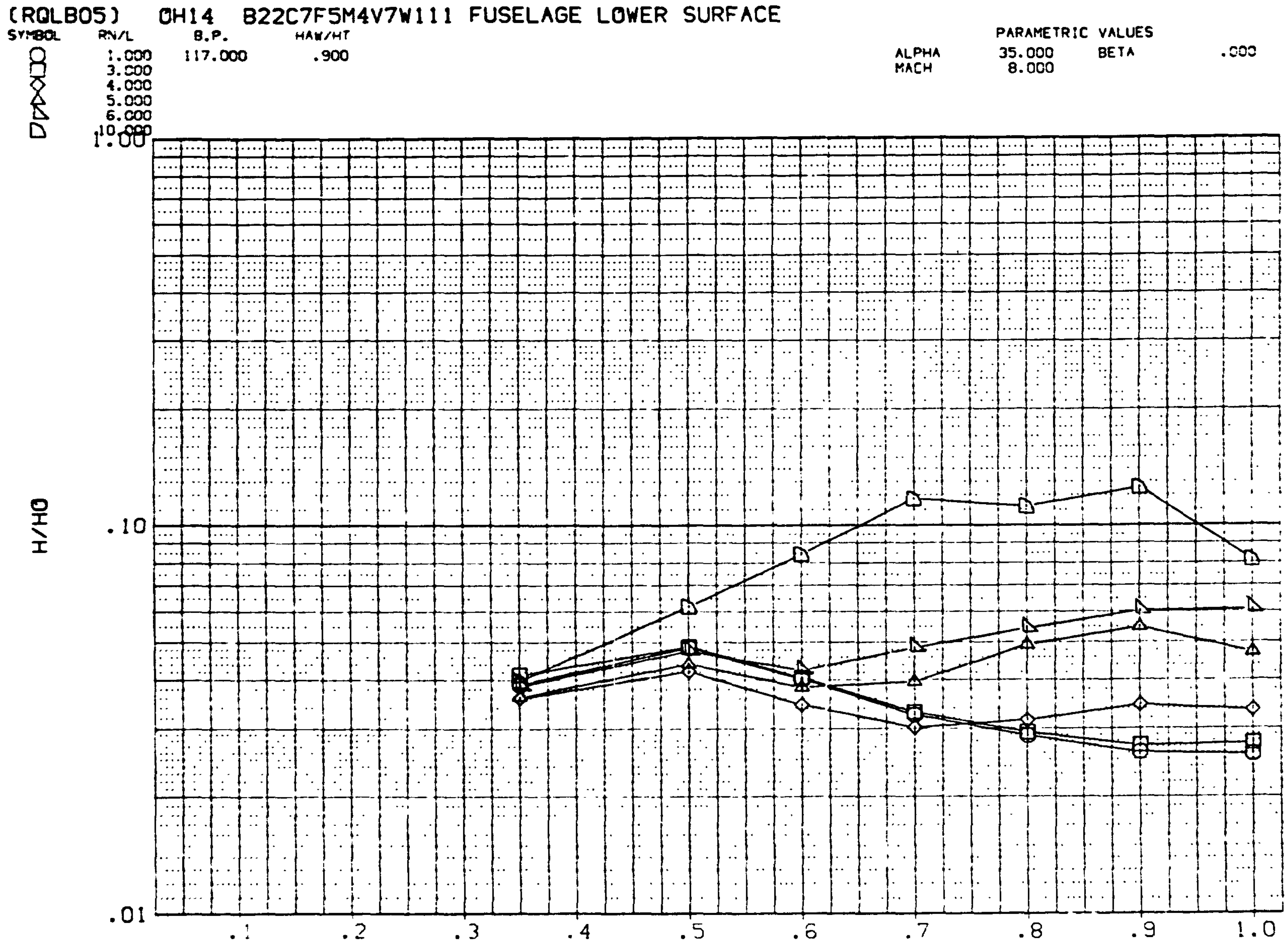


FIG 28 VARIATION OF RN/L ON FUSELAGE LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

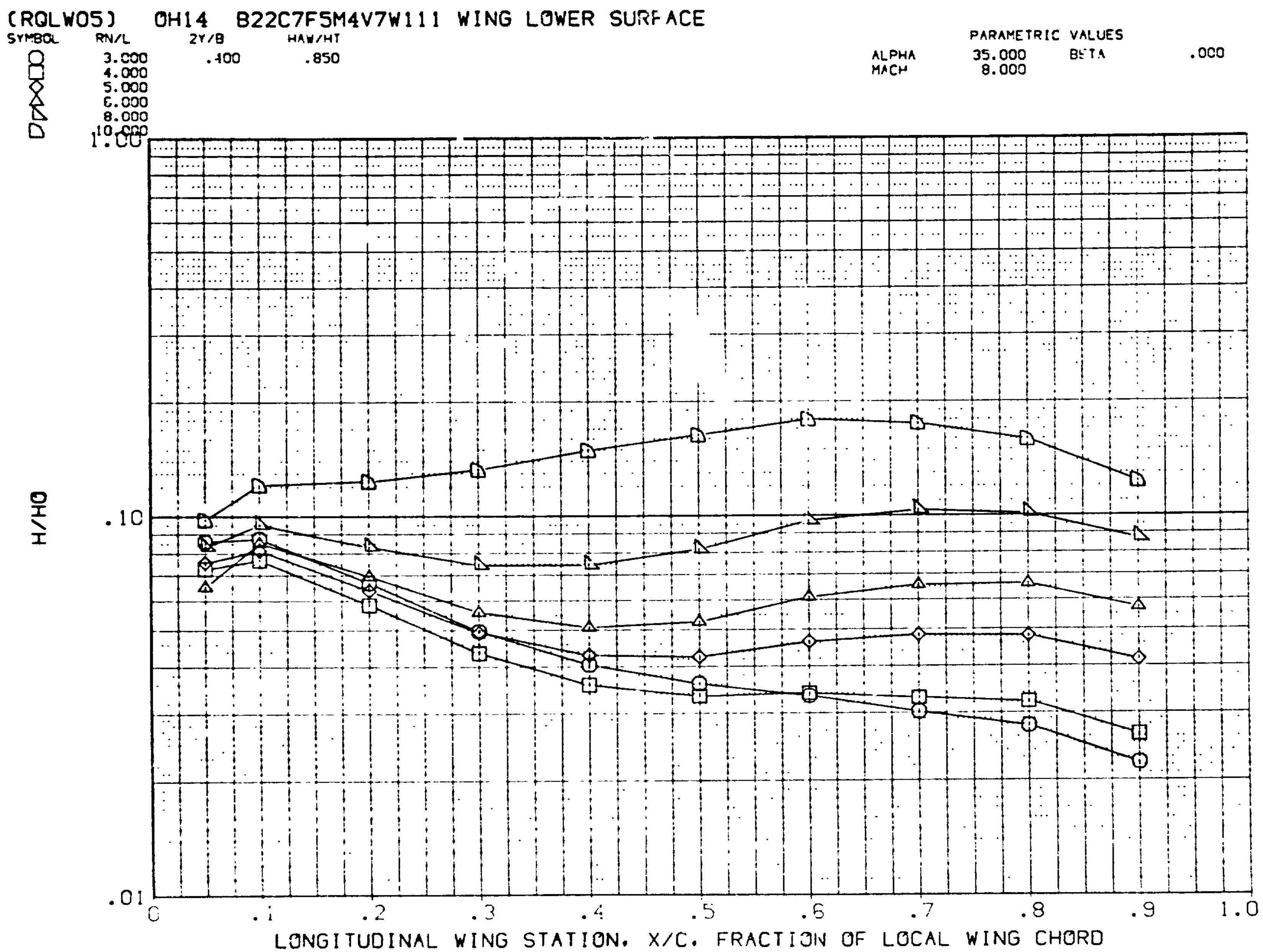


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
	3.000	.600	.850
	4.000		
	5.000		
	6.000		
	8.000		
	10.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

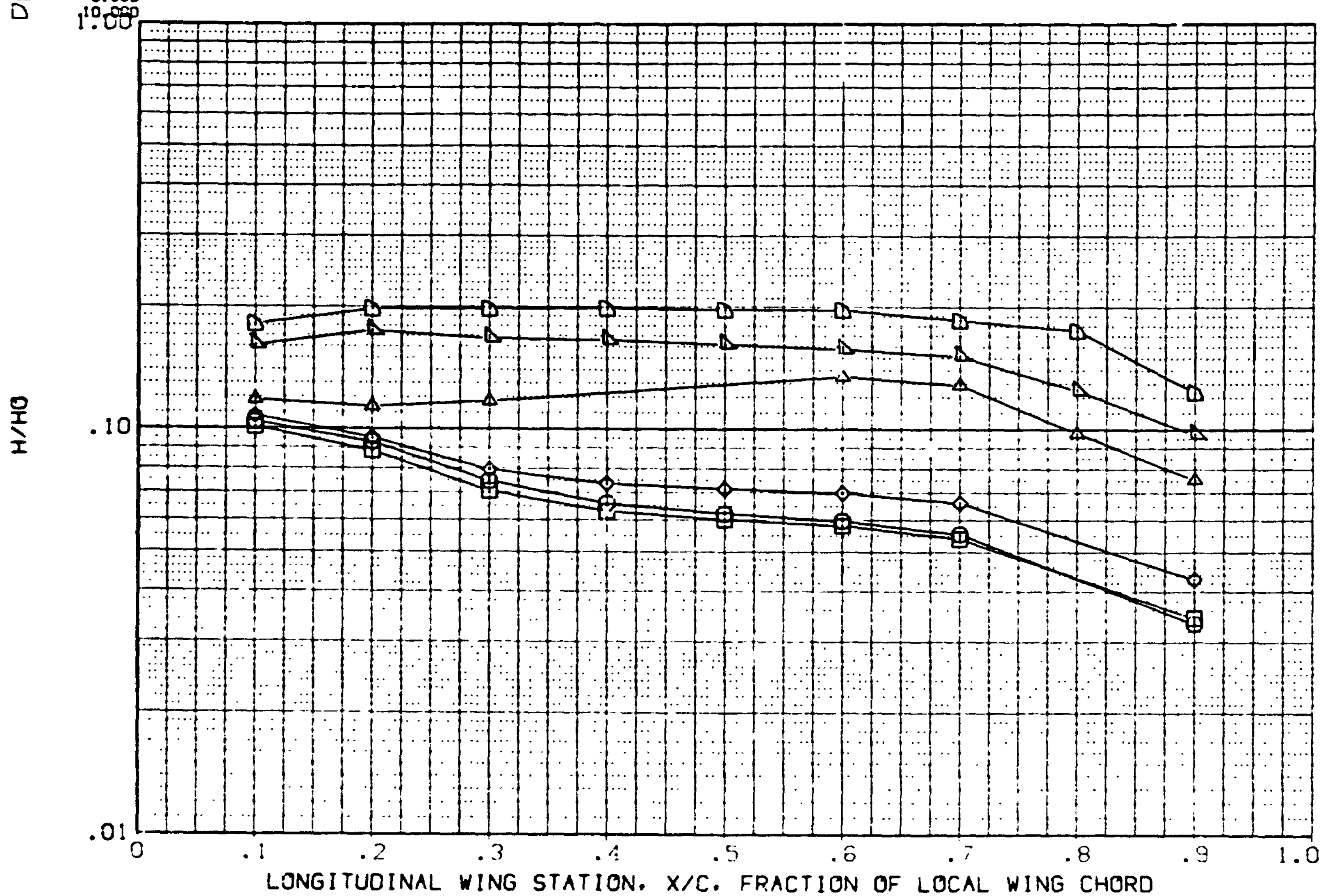


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

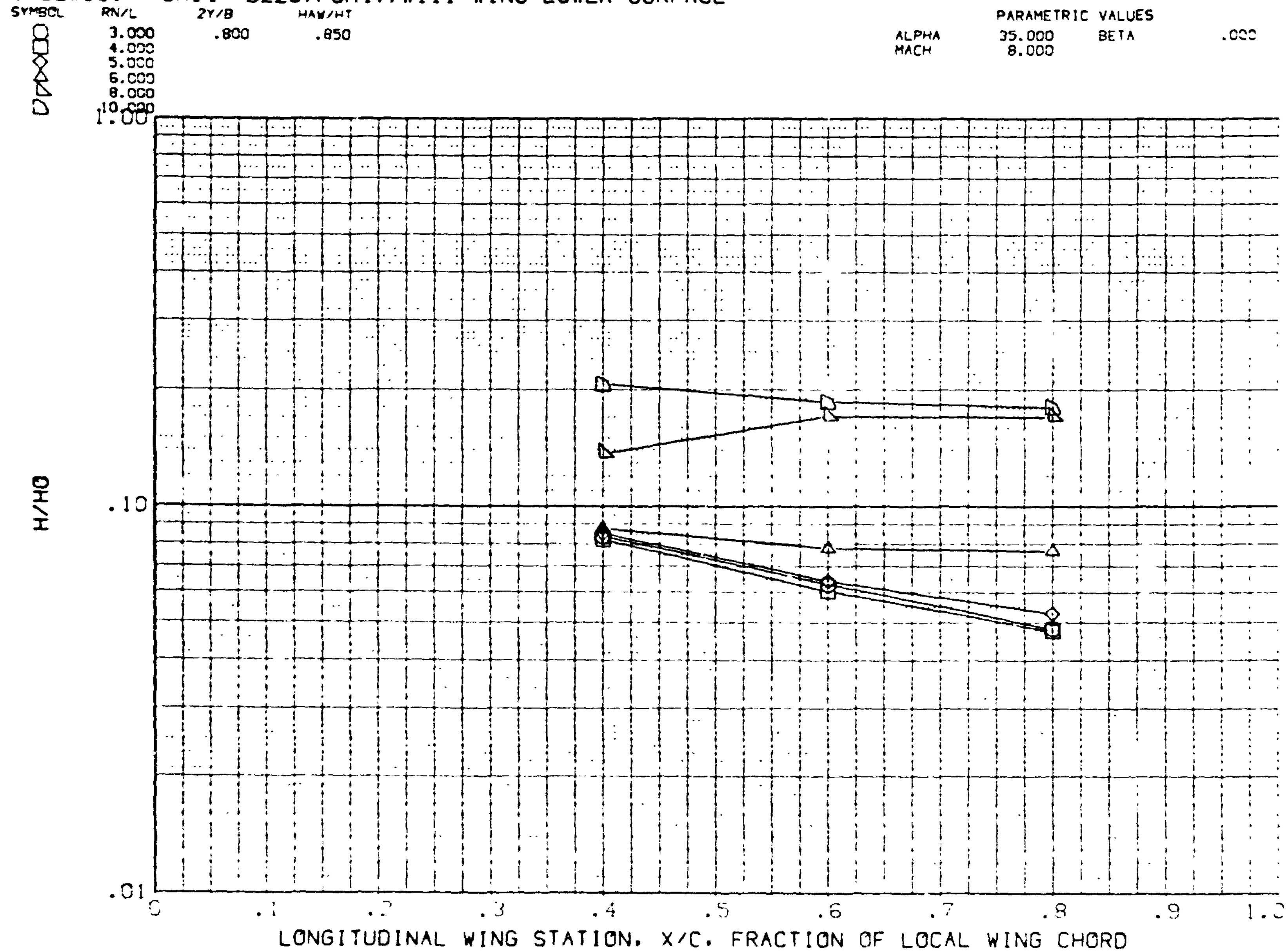


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W:11 WING LOWER SURFACE

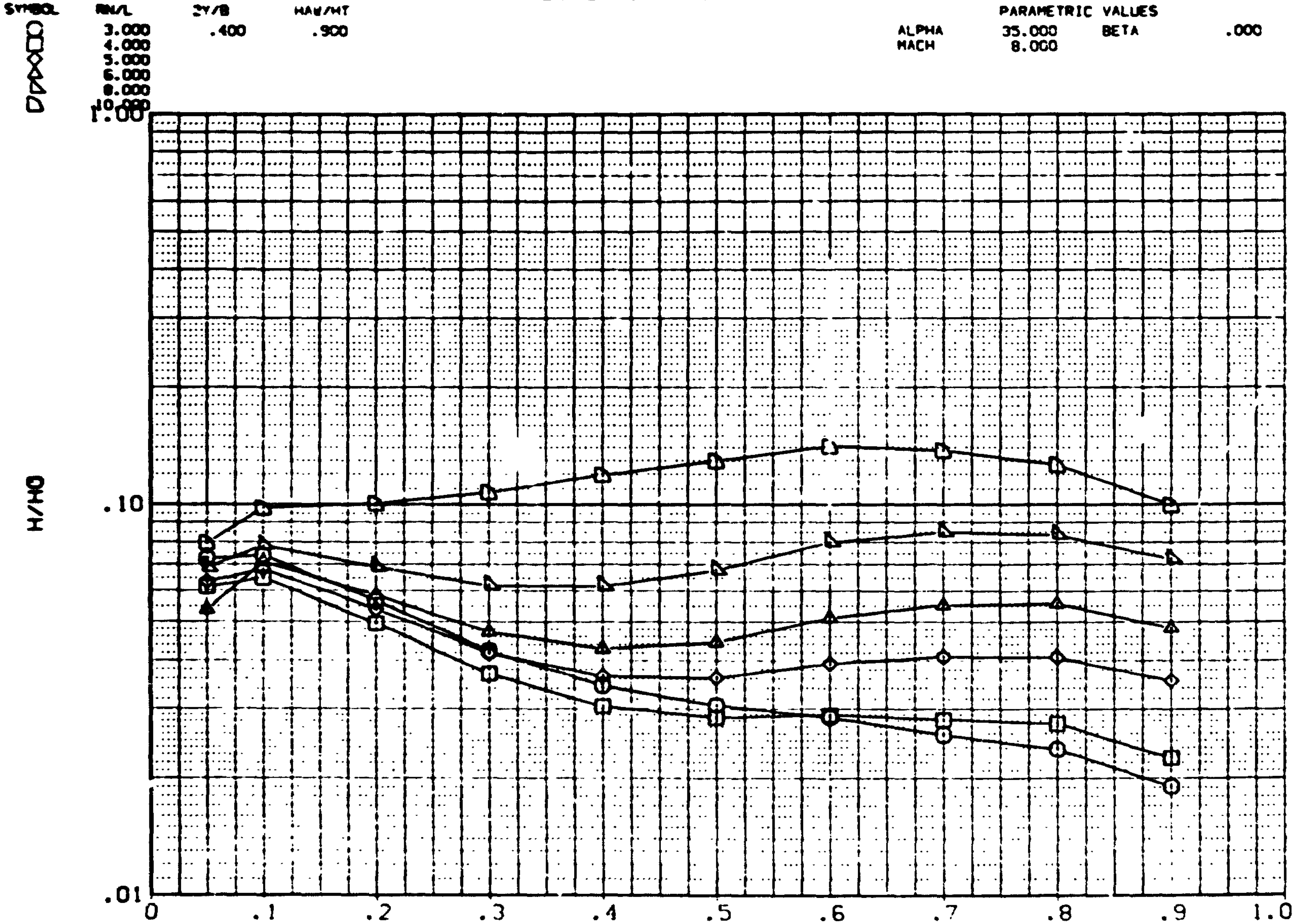


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	3.000	.600	.900
□	4.000		
◇	5.000		
△	6.000		
◺	8.000		
◻	10.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

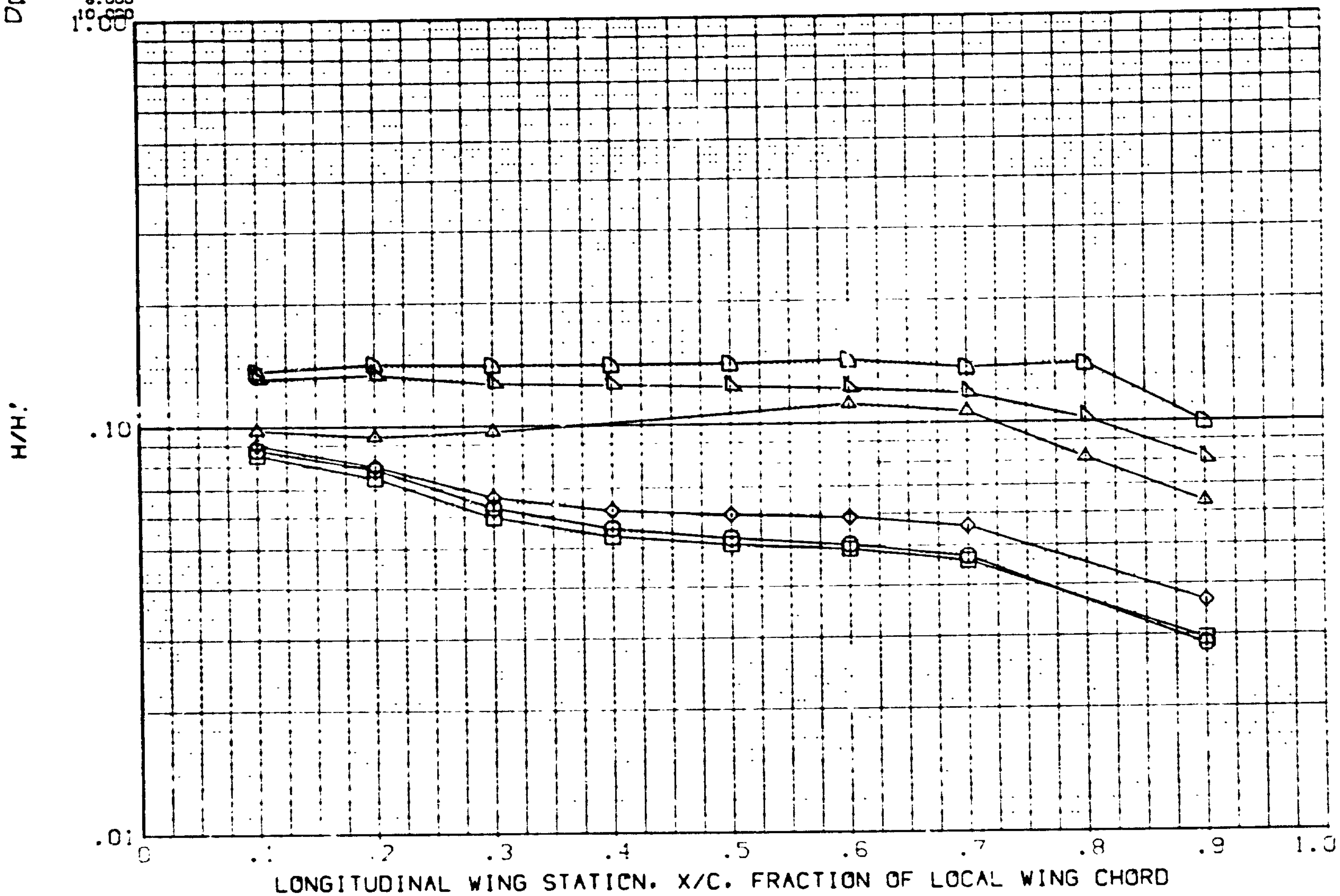


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

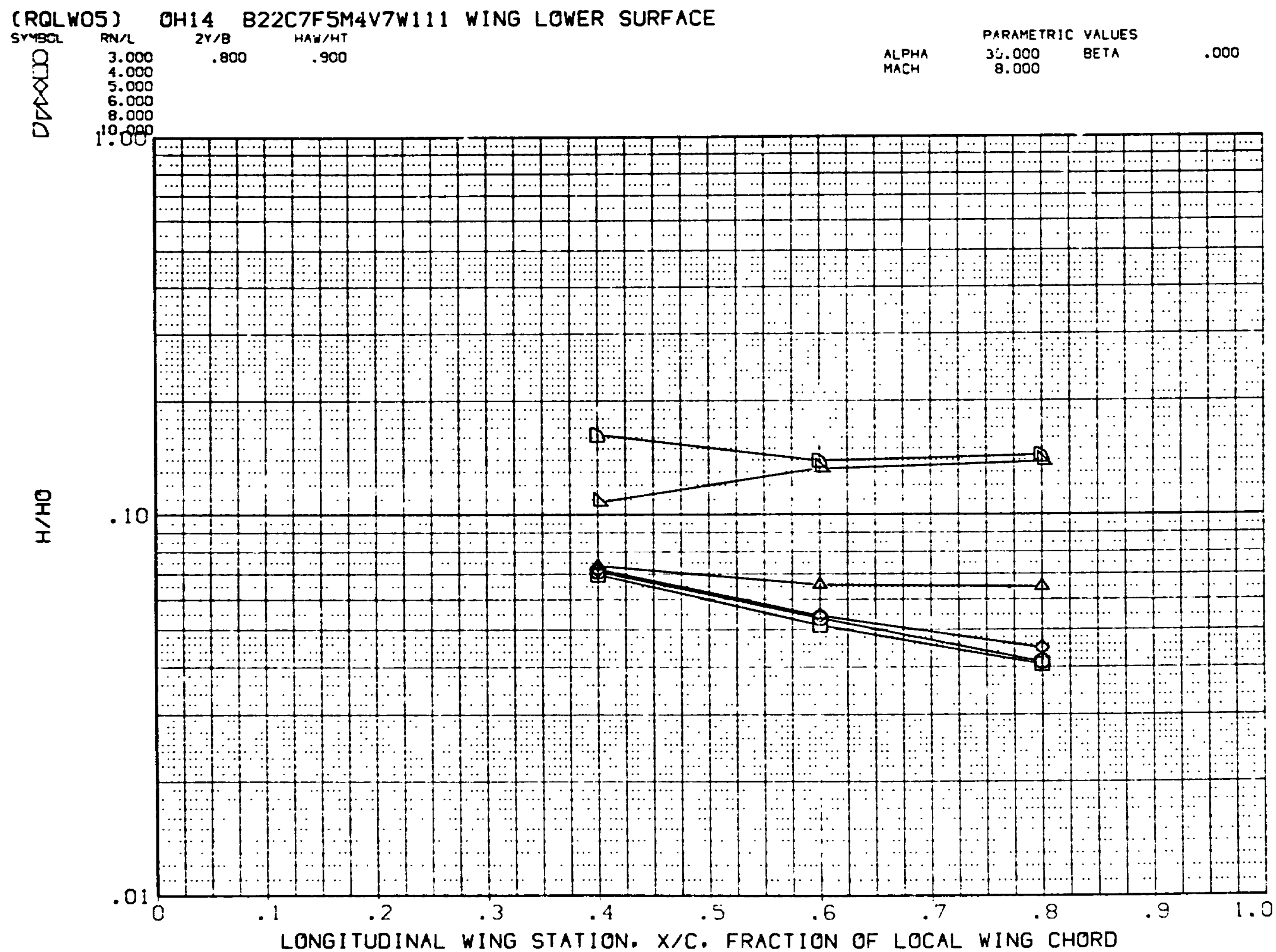


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) 0H14 B22C7F5M4V7W111 WING LOWER SURFACE

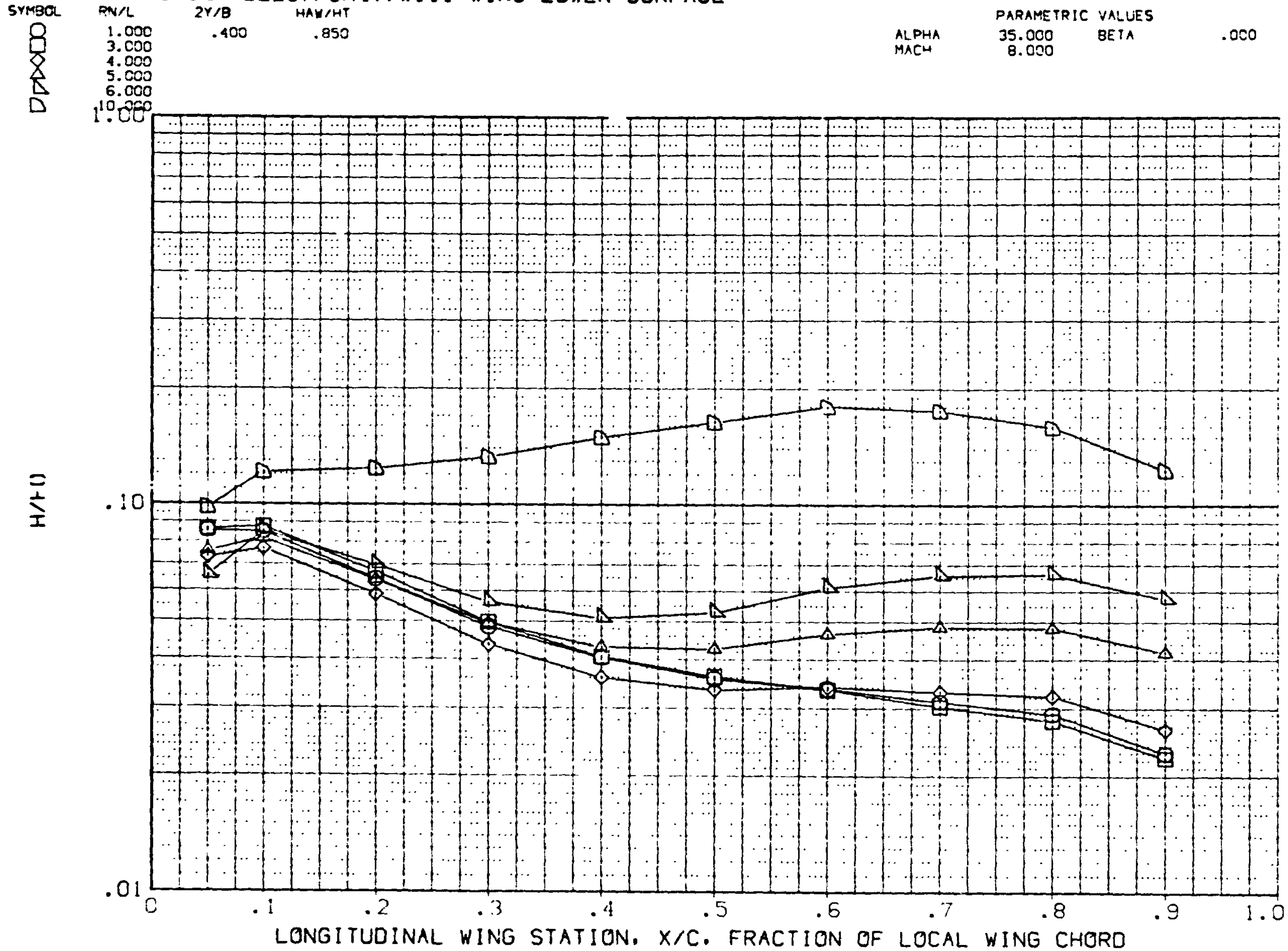


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

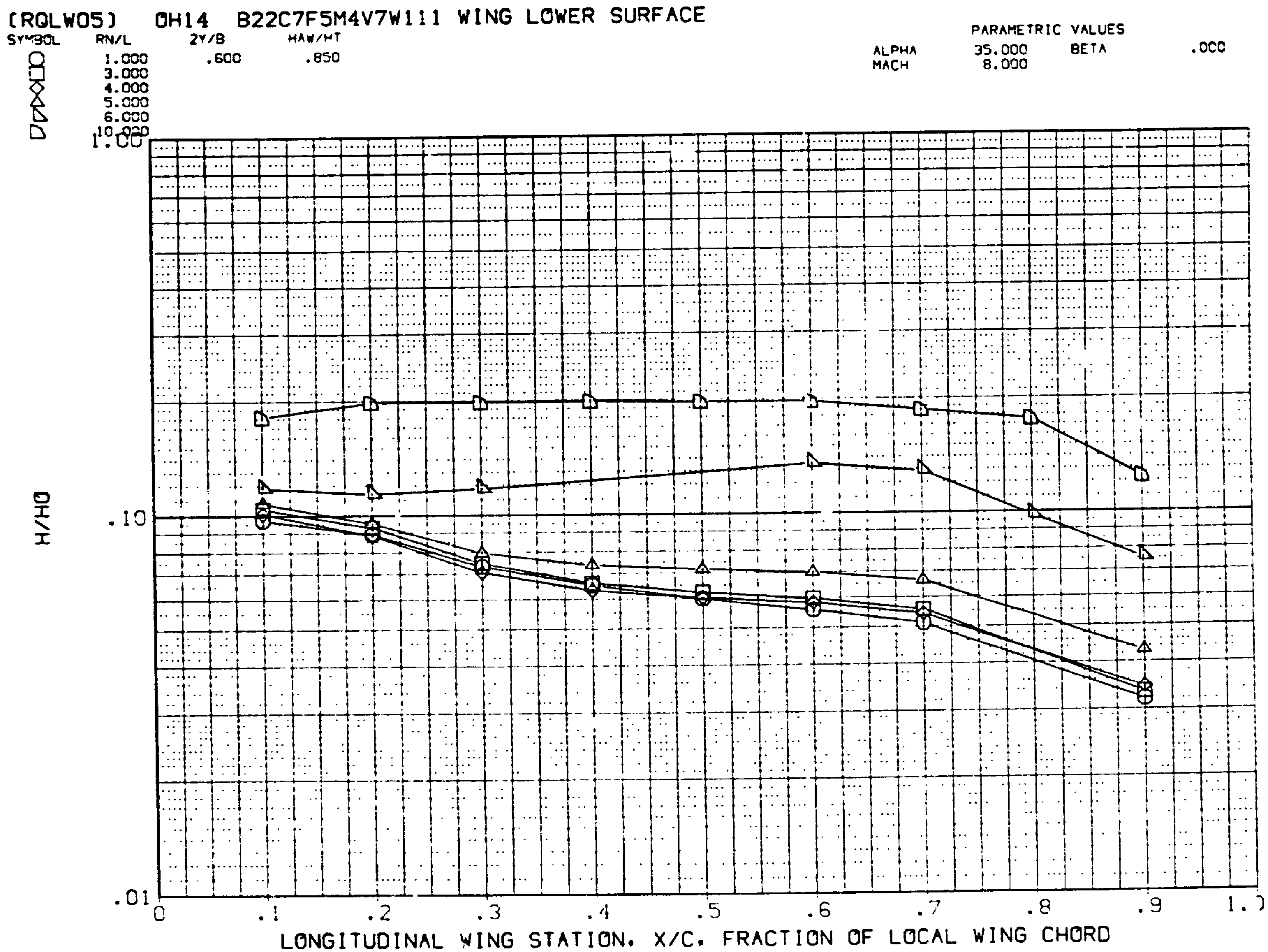


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

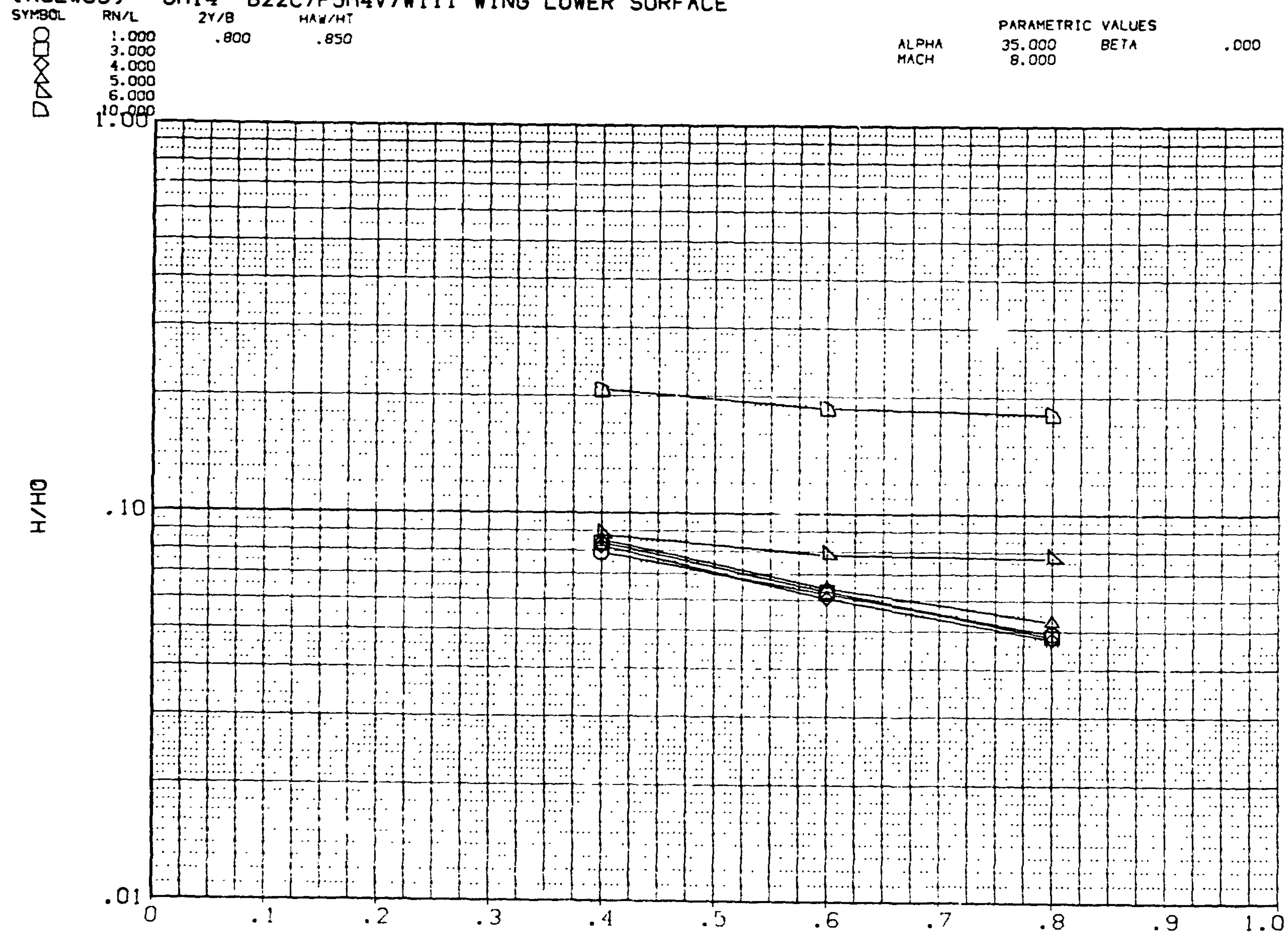


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

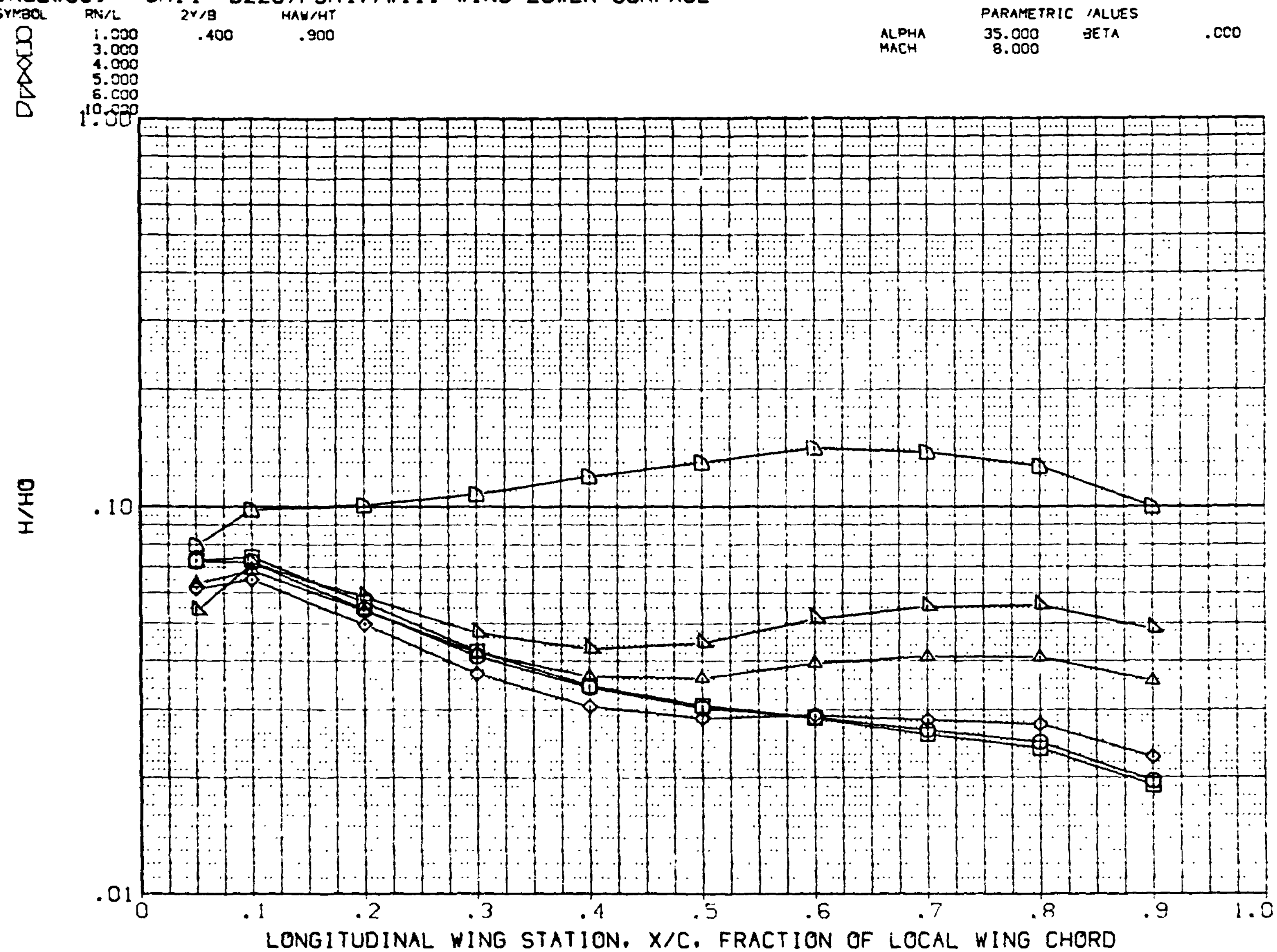


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

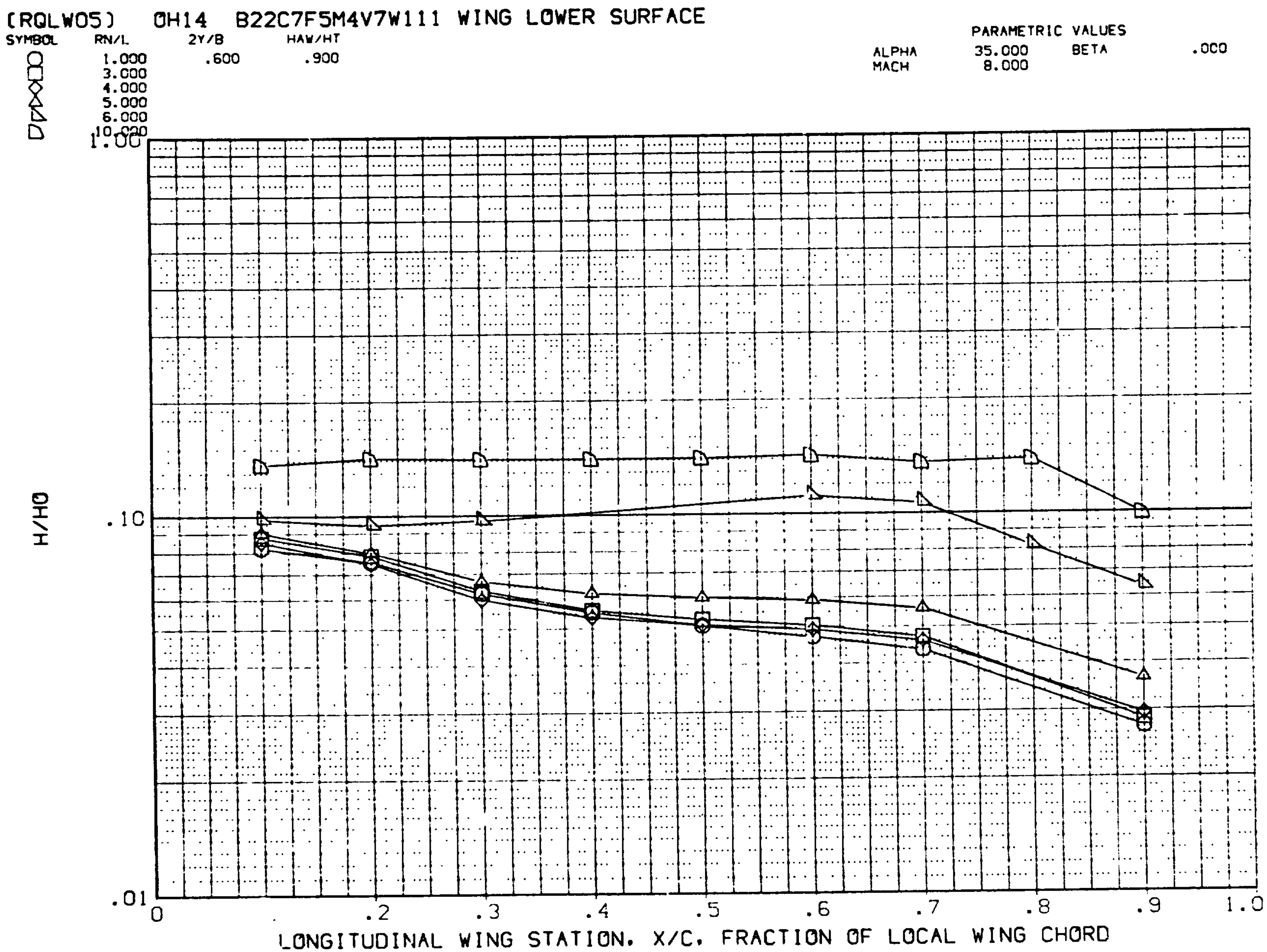


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLW05) OH14 B22C7F5M4V7W111 WING LOWER SURFACE

SYMBOL	RN/L	2Y/B	HAW/HT
○	1.000	.800	.900
□	3.000		
◇	4.000		
△	5.000		
◁	6.000		
◻	10.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

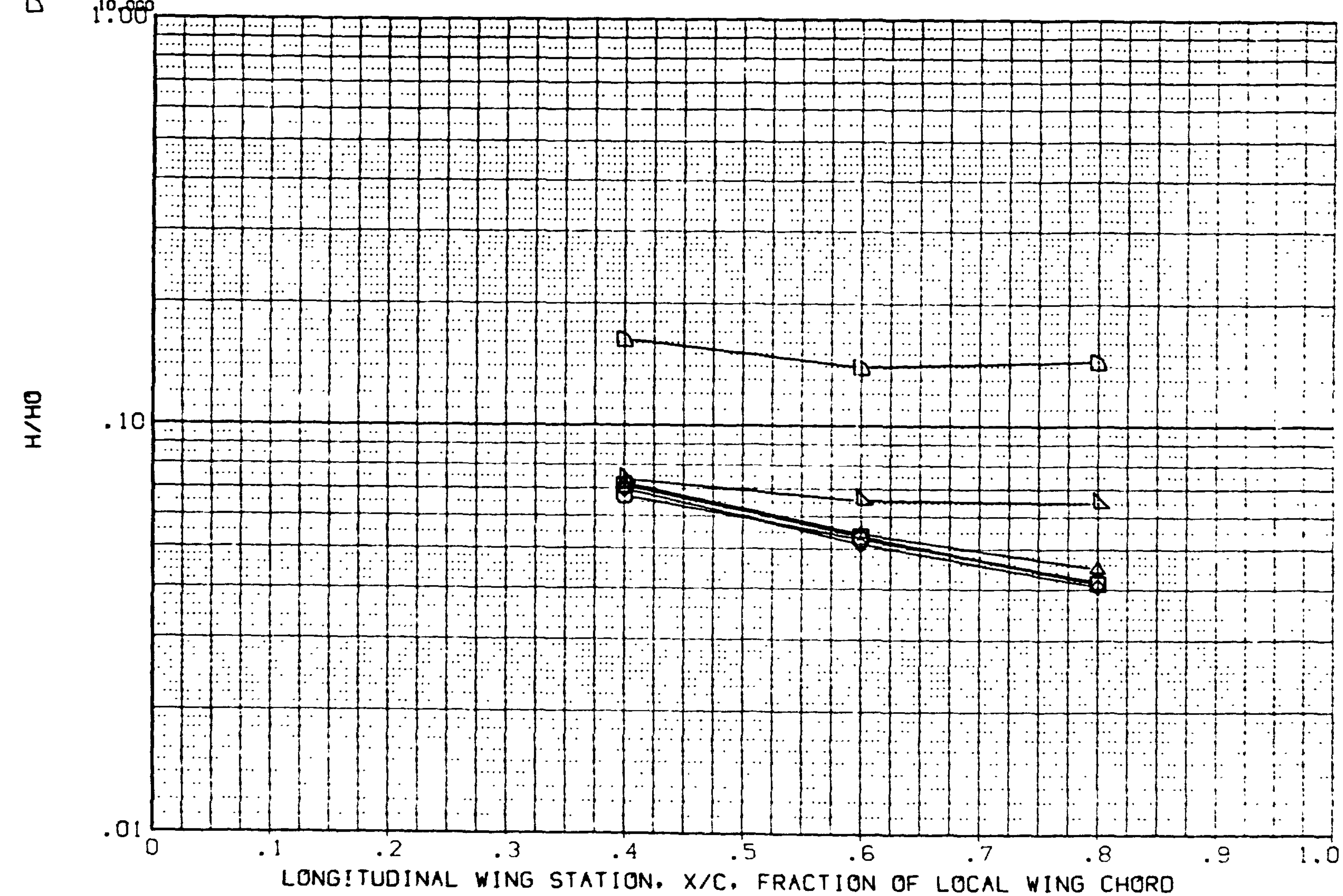


FIG 29 VARIATION OF RN/L ON WING LOWER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

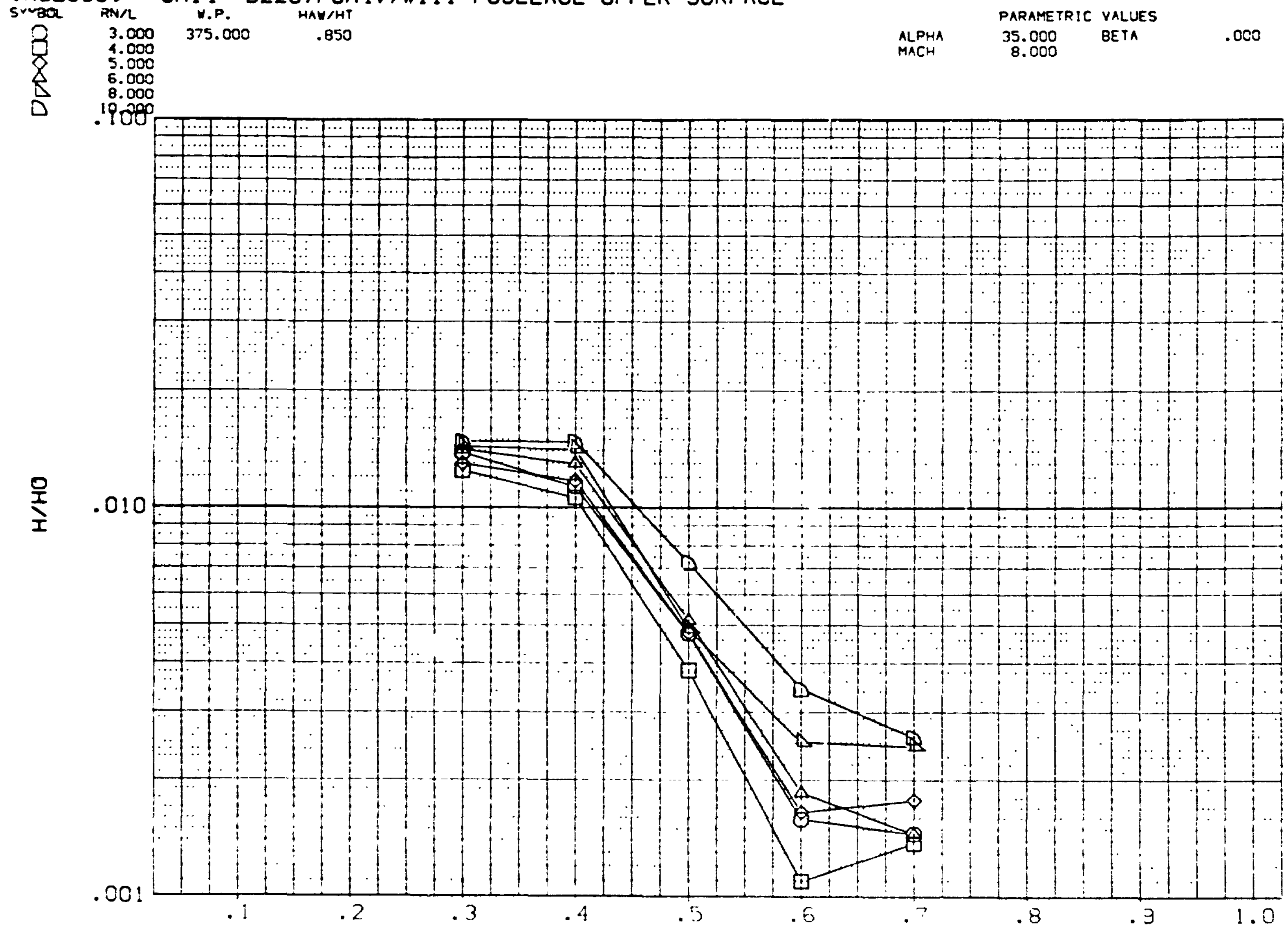


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

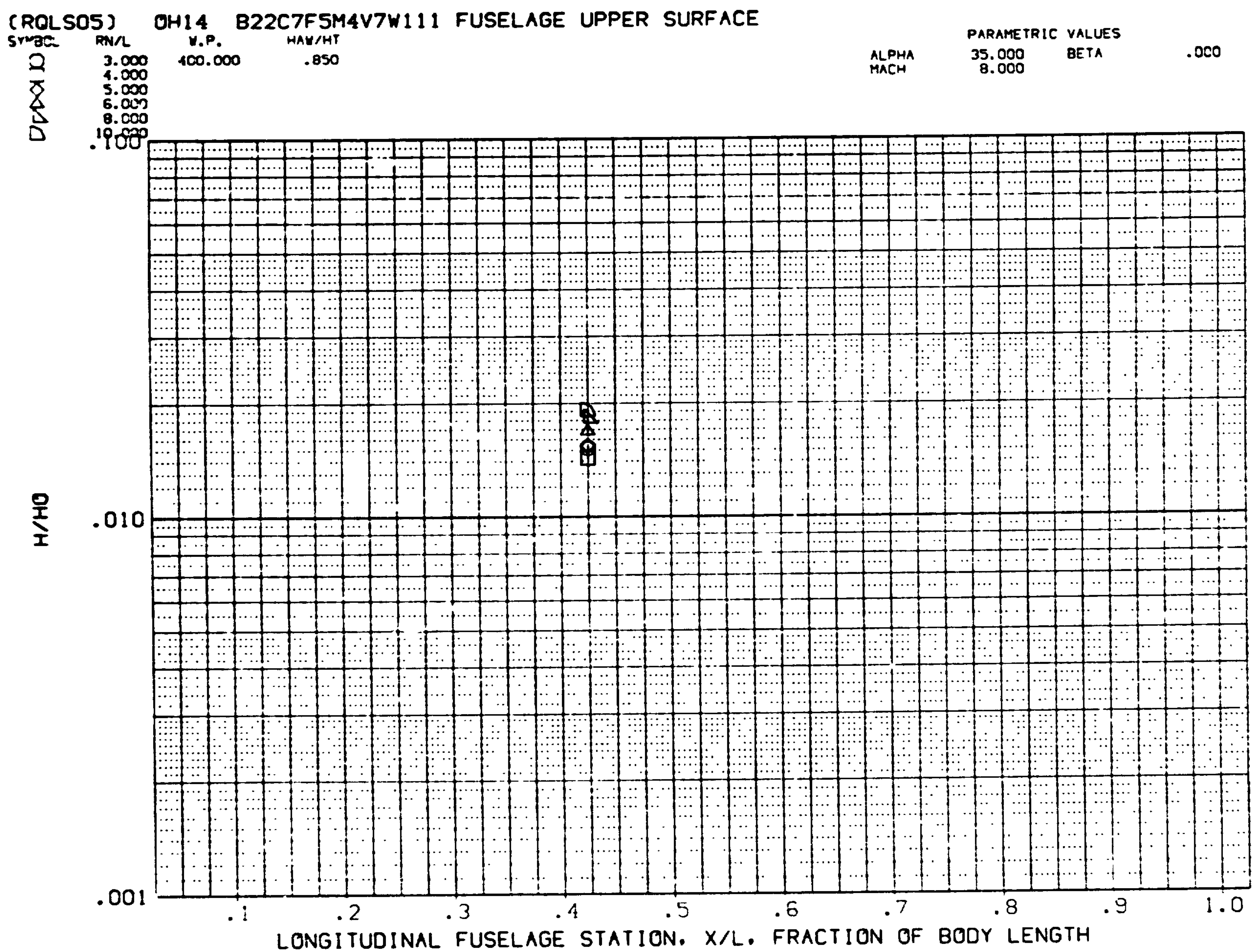


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
	3.000	425.000	.850
	4.000		
	5.000		
	6.000		
	8.000		
	10.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

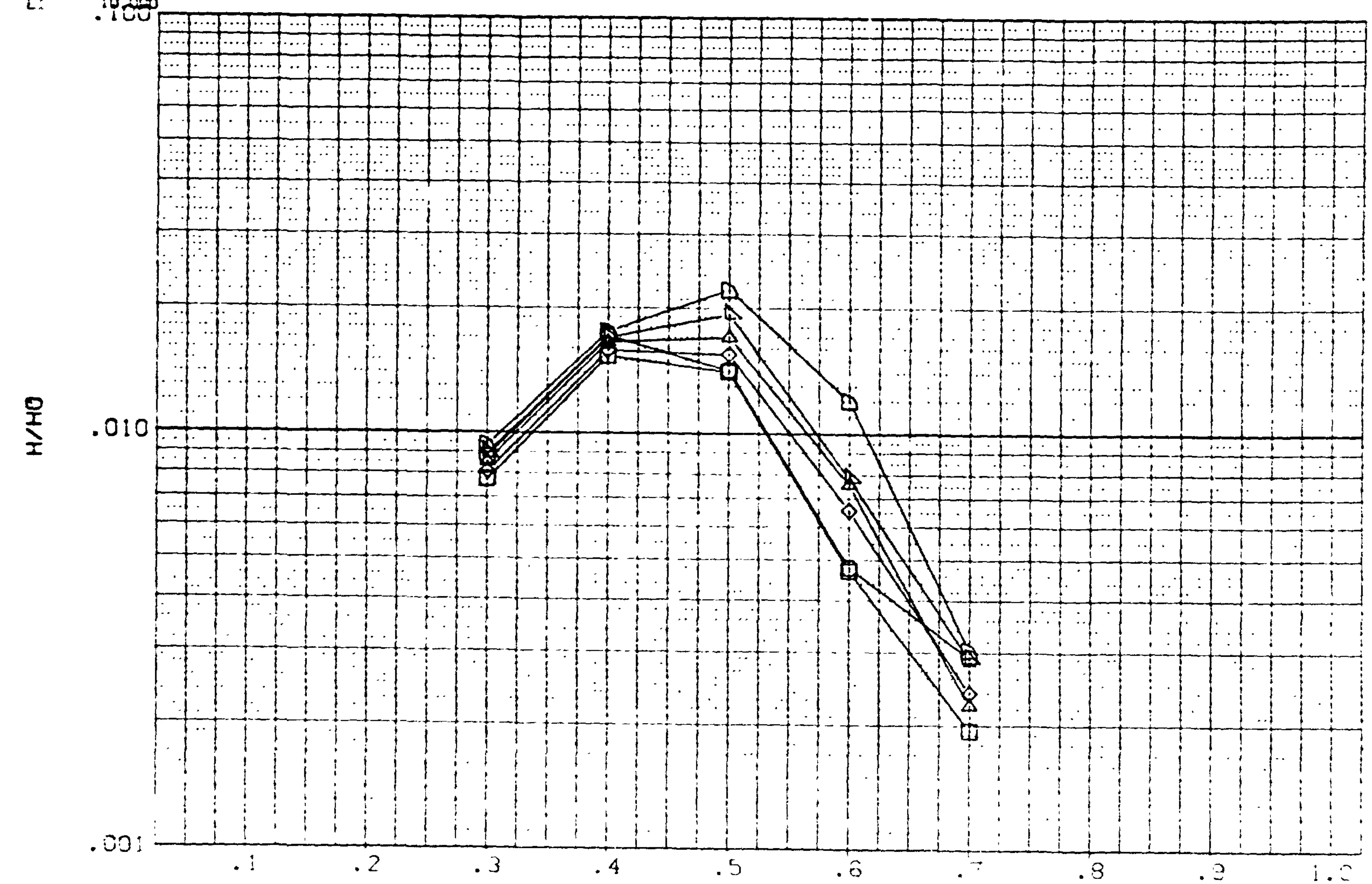


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
	3.000	465.000	.850
	4.000		
	5.000		
	6.000		
	8.000		
	10.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

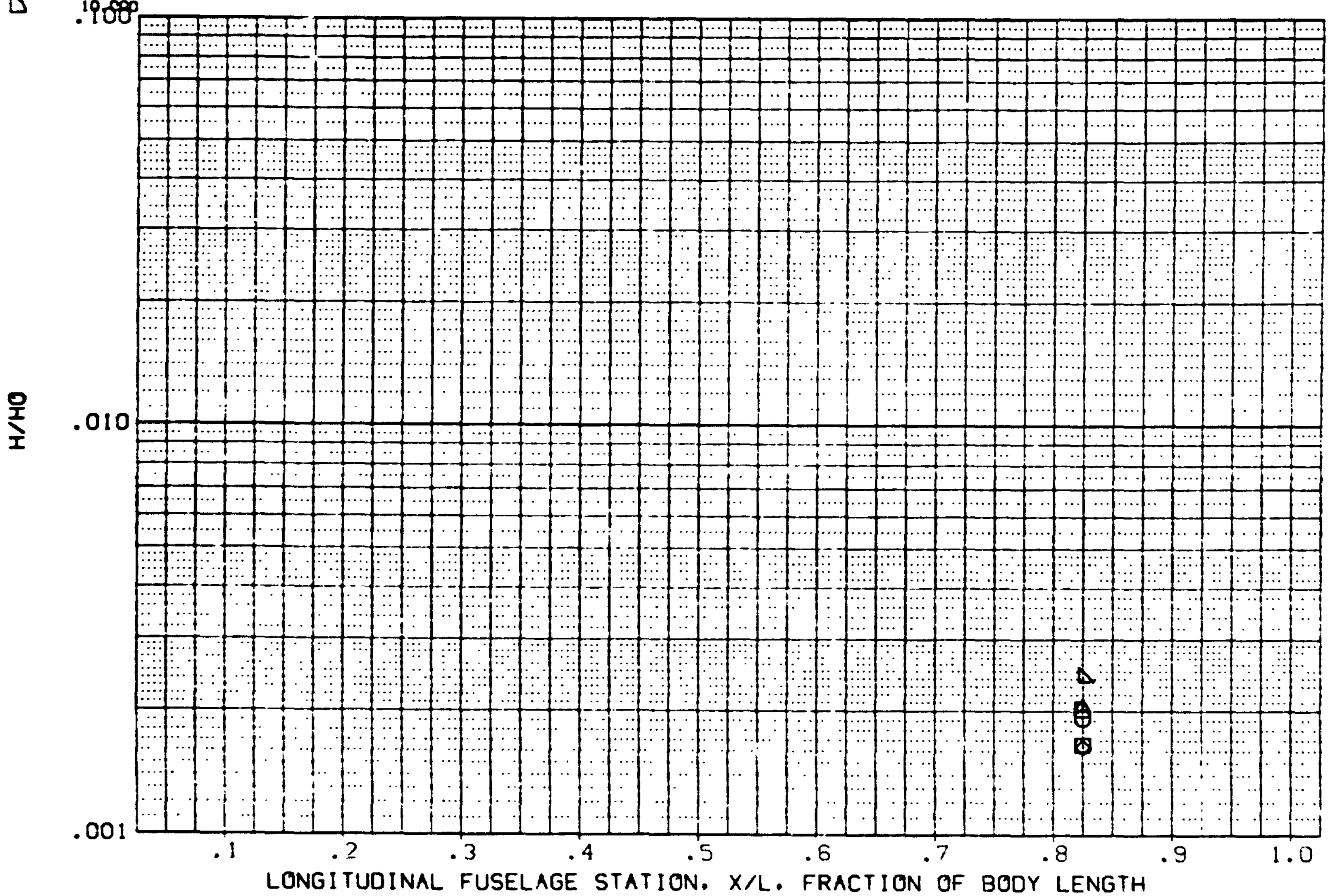


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	3.000	501.000	.850
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

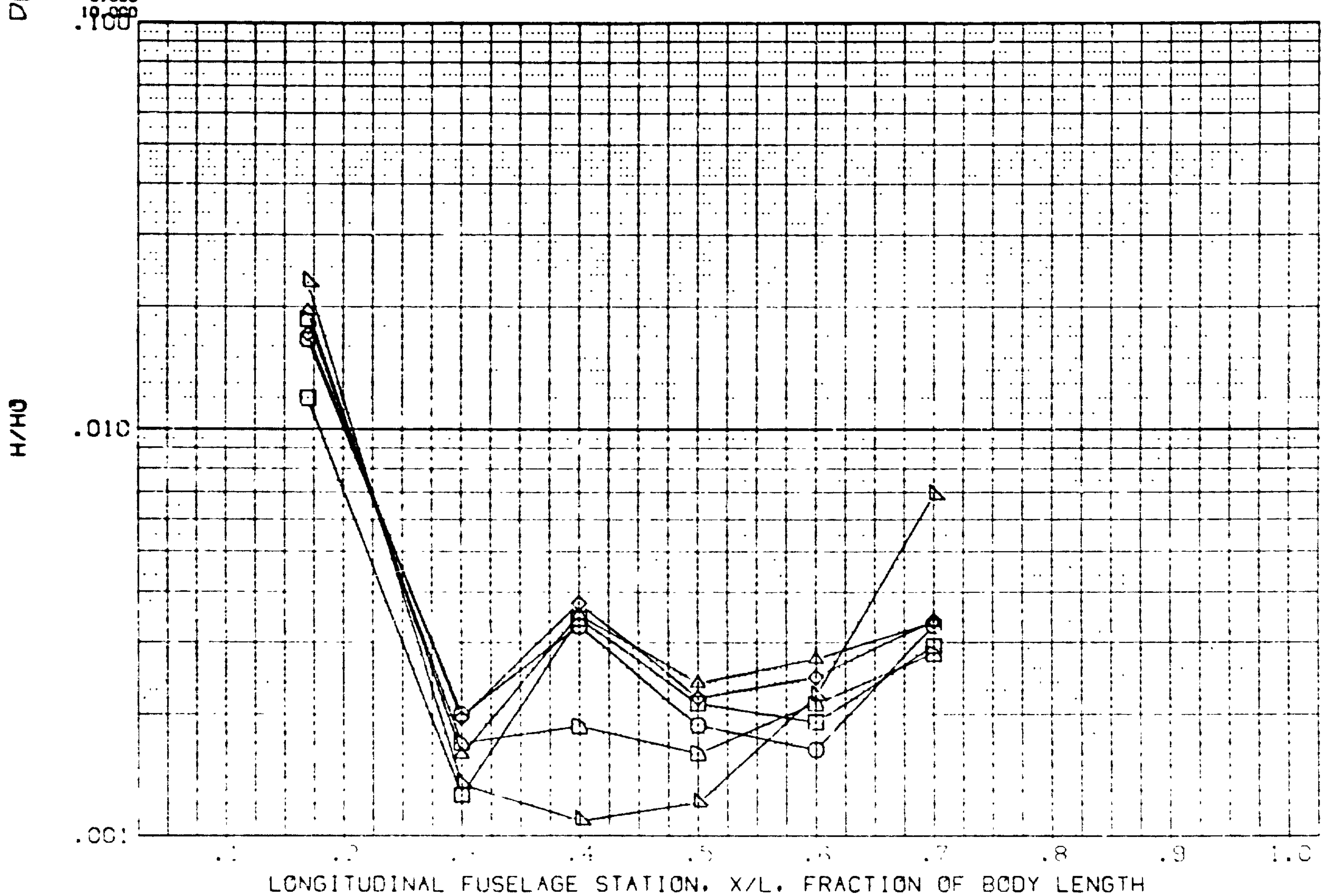


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

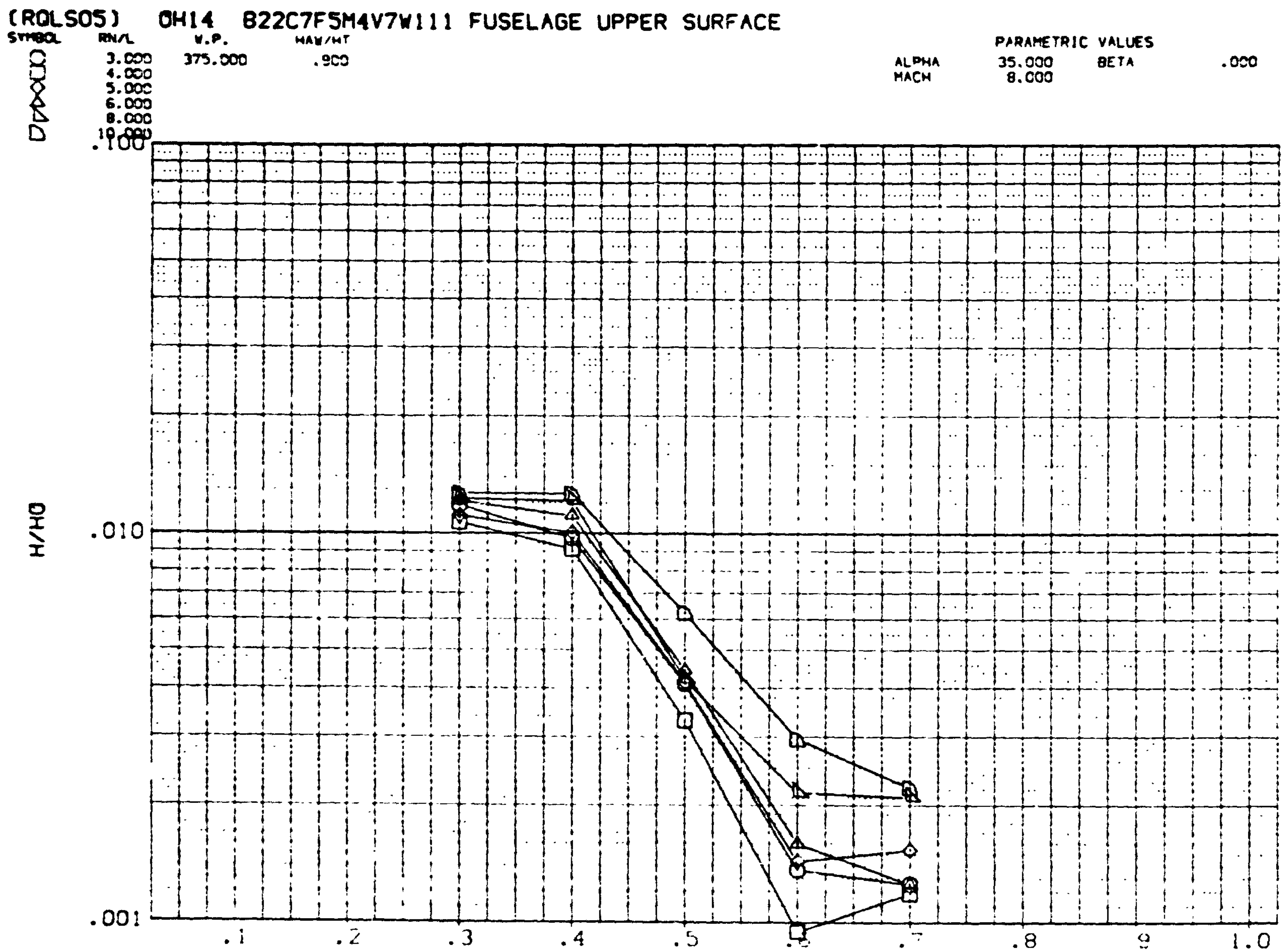


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

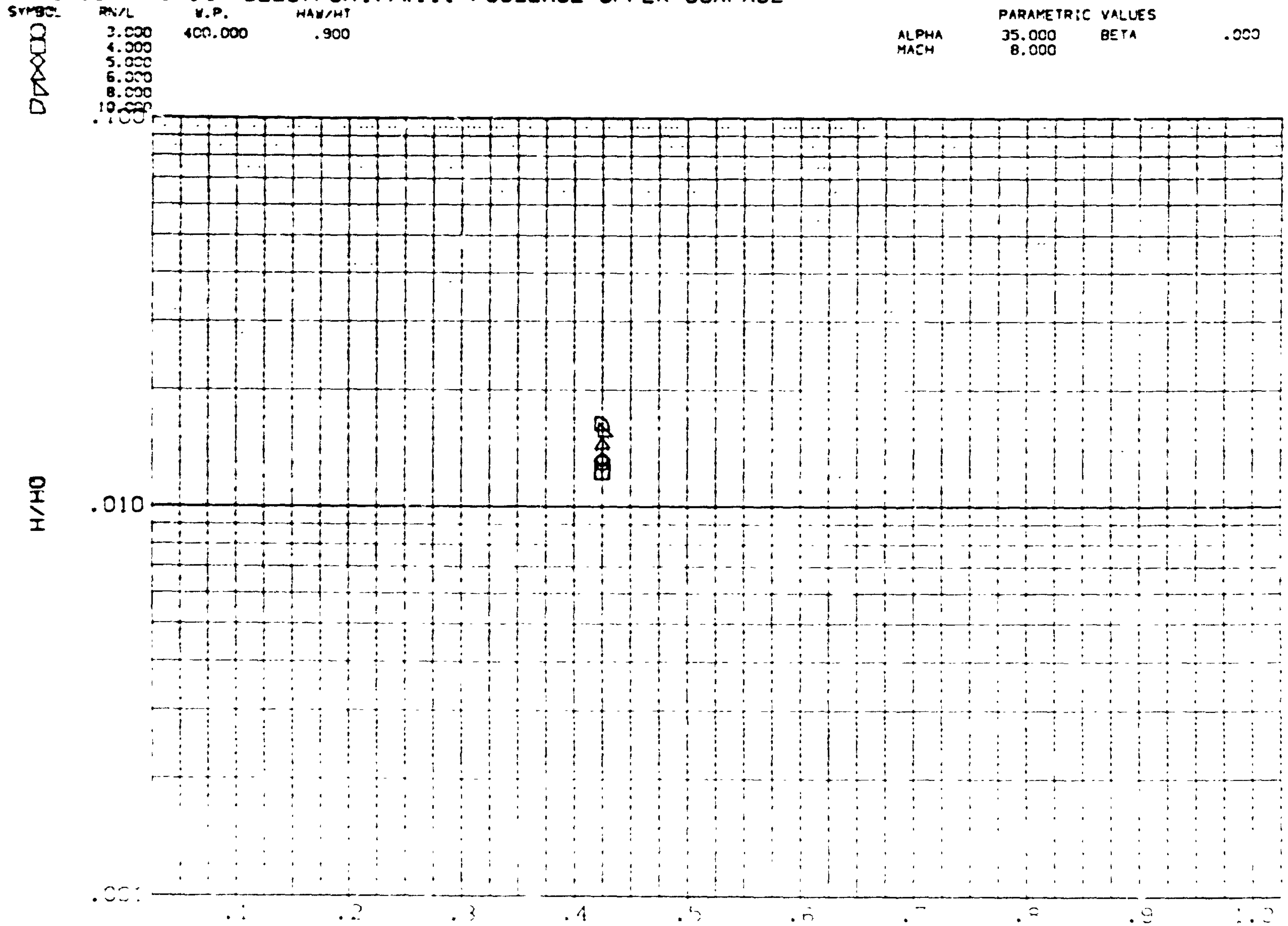


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) 0H14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	3.000	425.000	.900
□	4.000		
◇	5.000		
△	6.000		
◁	8.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

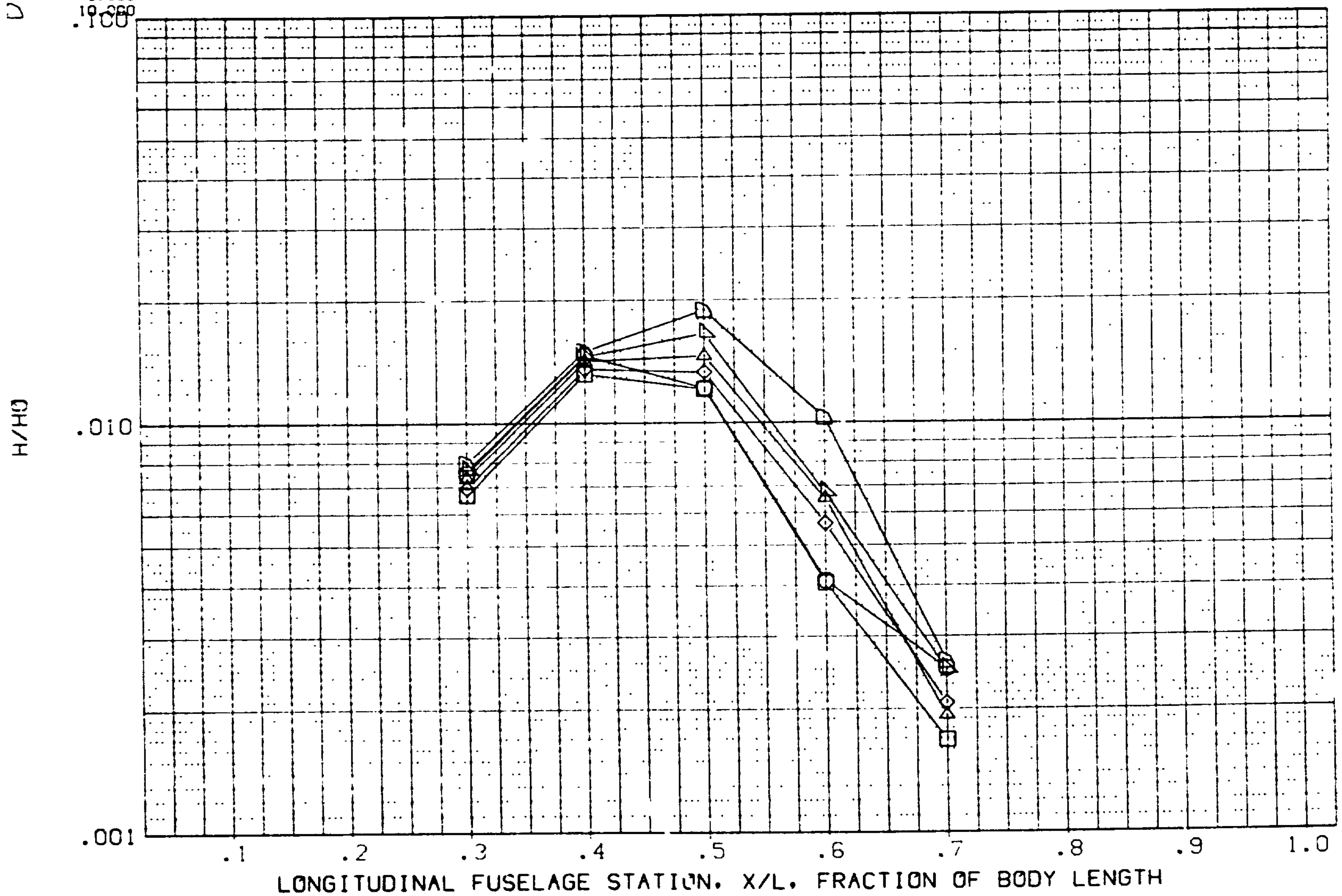


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	3.000	465.000	.900
□	4.000		
◇	5.000		
△	6.000		
◺	8.000		
◻	10.000		

PARAMETRIC VALUES

ALPHA	35.000	BETA	.000
MACH	8.000		

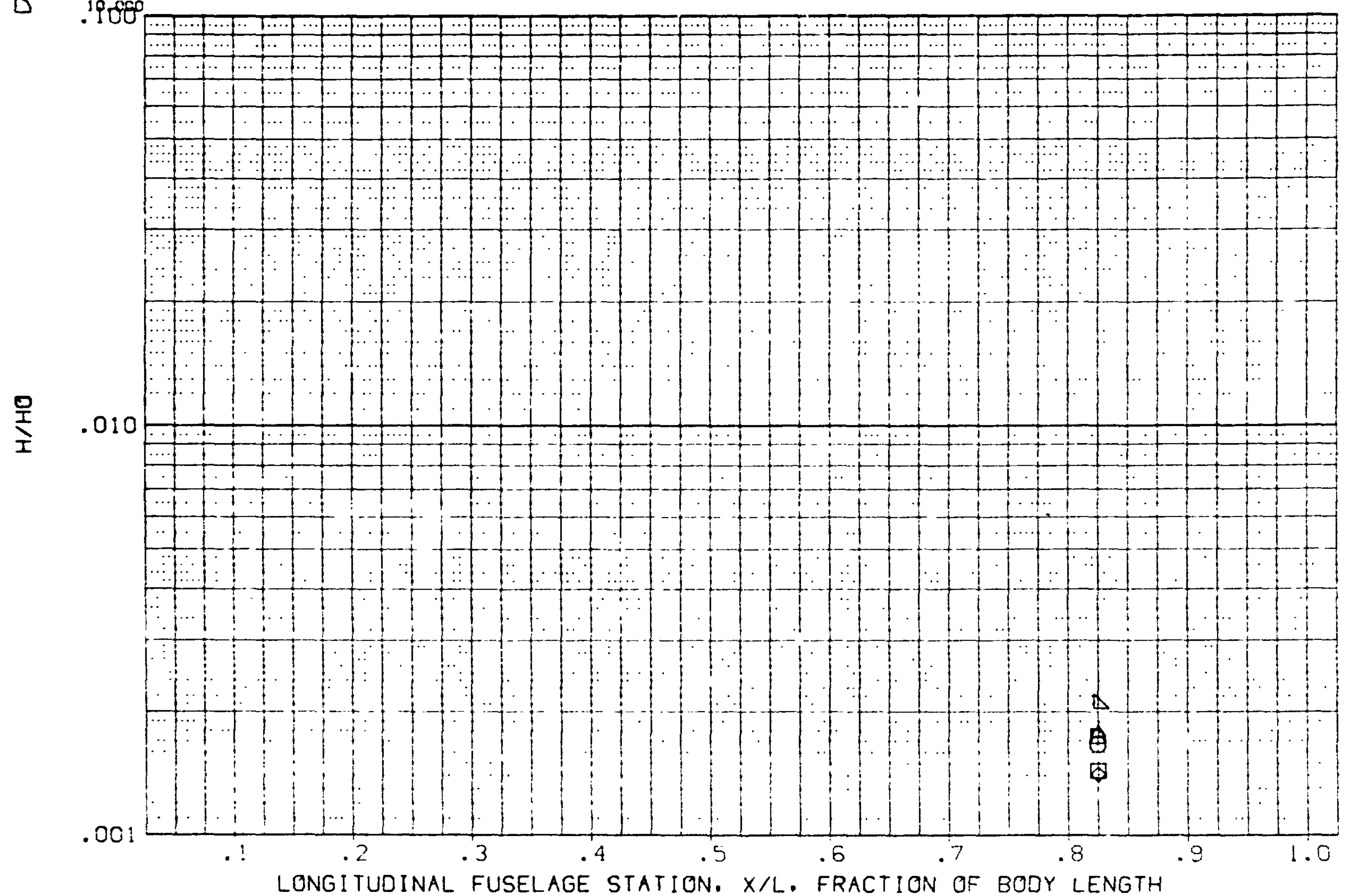


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

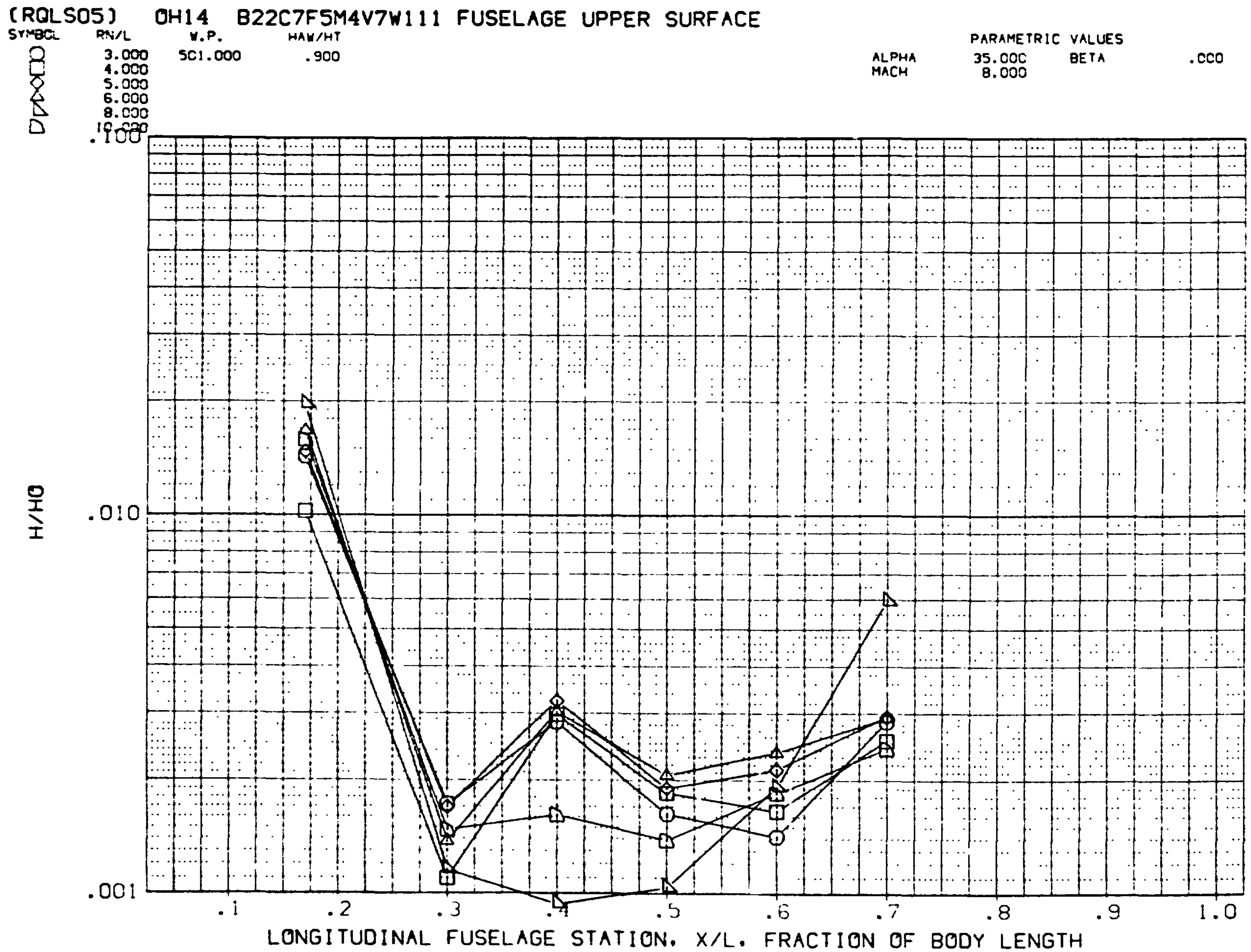


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	375.000	.850
□	3.000		
◇	4.000		
△	5.000		
◁	6.000		
◺	10.000		

PARAMETRIC VALUES
ALPHA 35.000 BETA .000
MACH 8.000

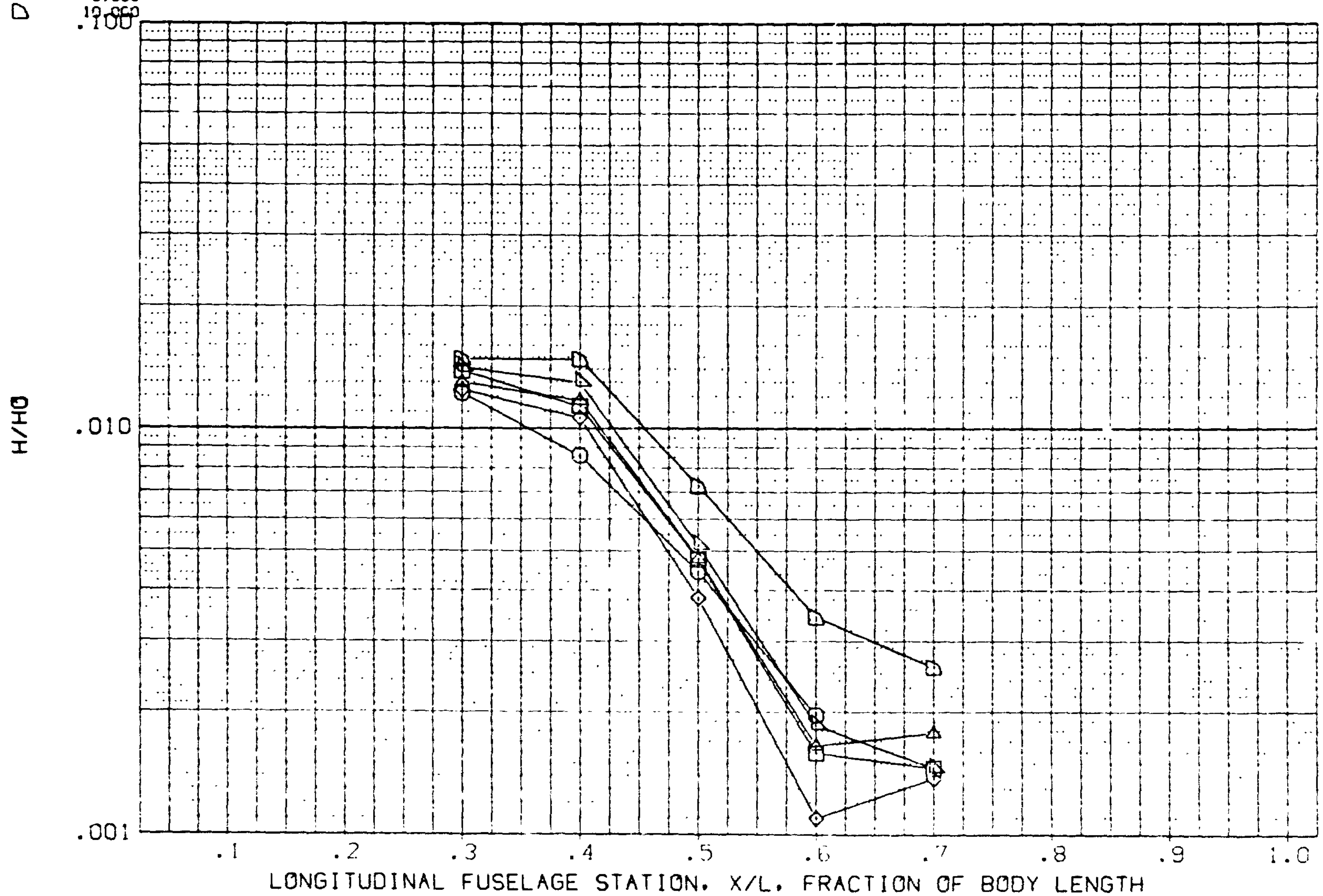


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

PARAMETRIC VALUES

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	400.000	.850
□	3.000		
◇	4.000		
△	5.000		
◺	6.000		
◻	10.000		

ALPHA	35.000	BETA	.000
MACH	8.000		

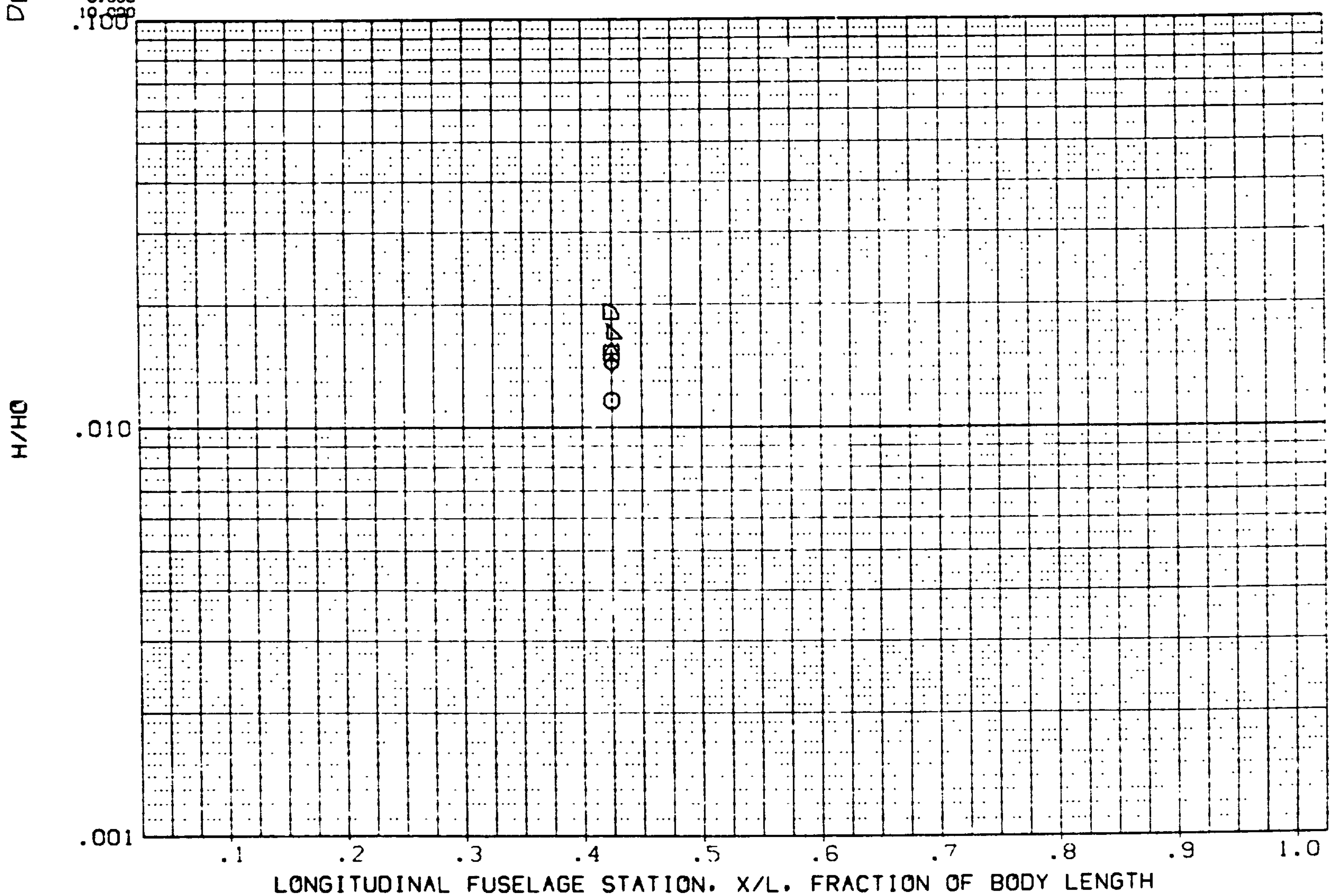


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

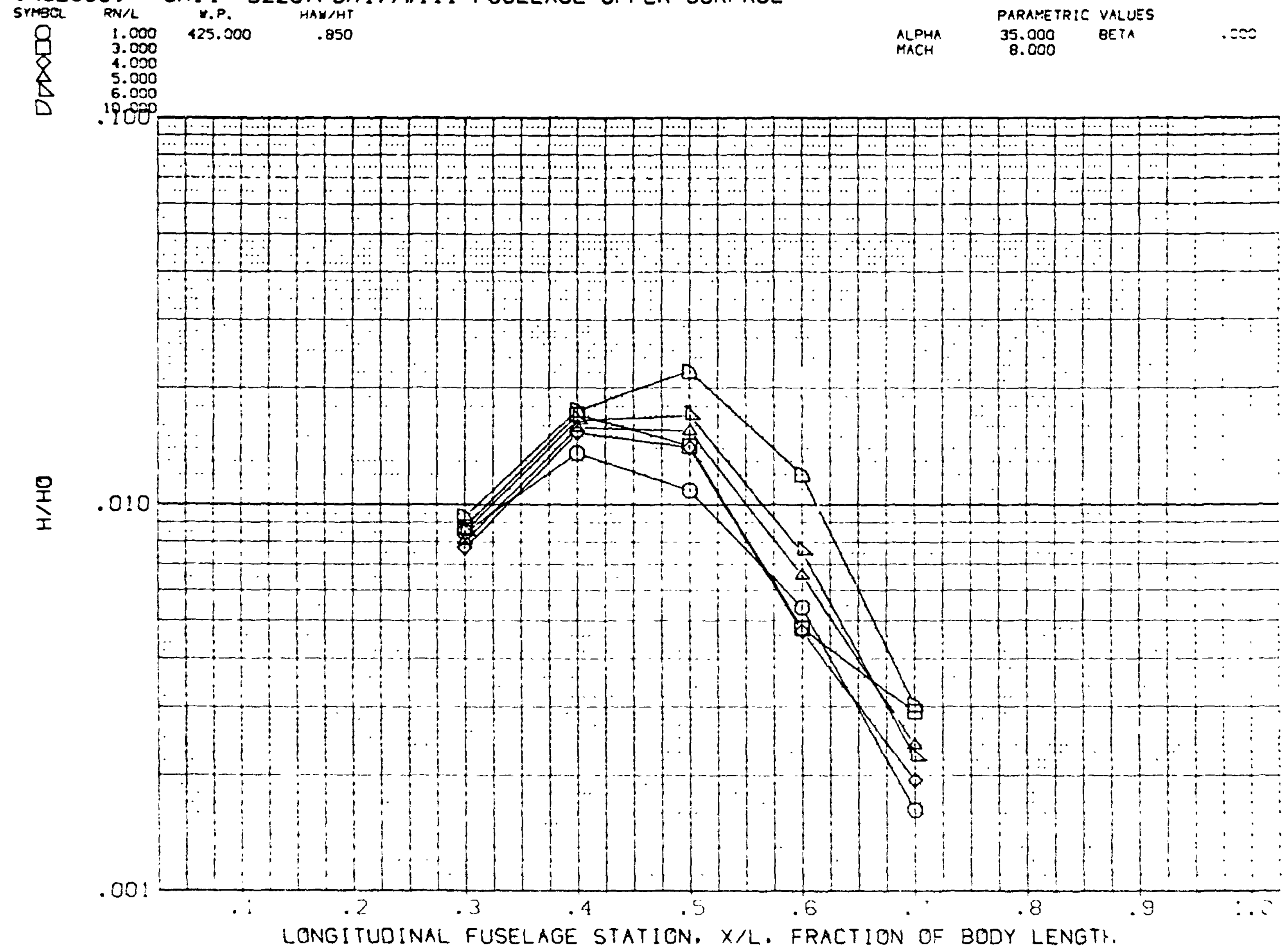


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

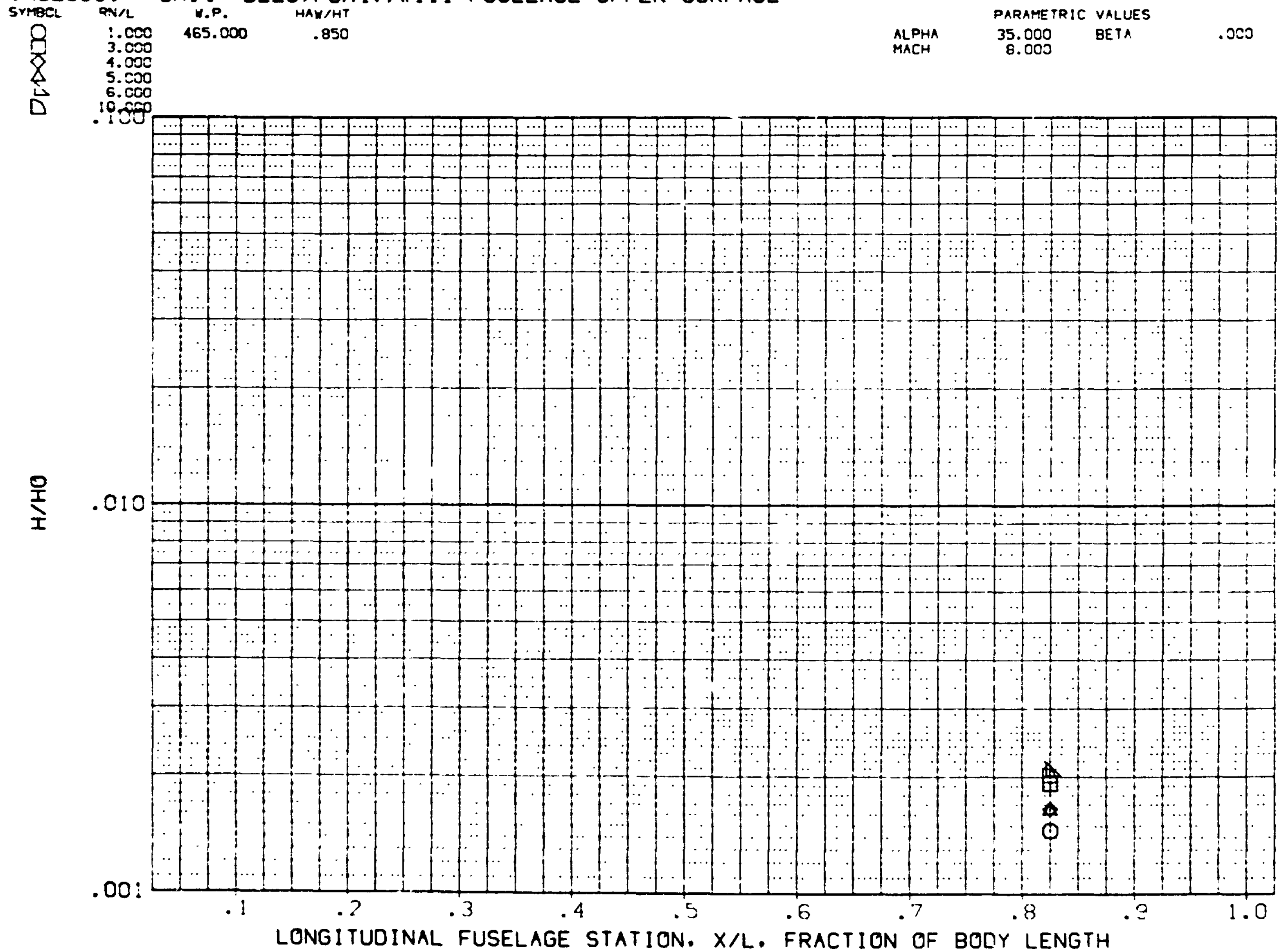


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

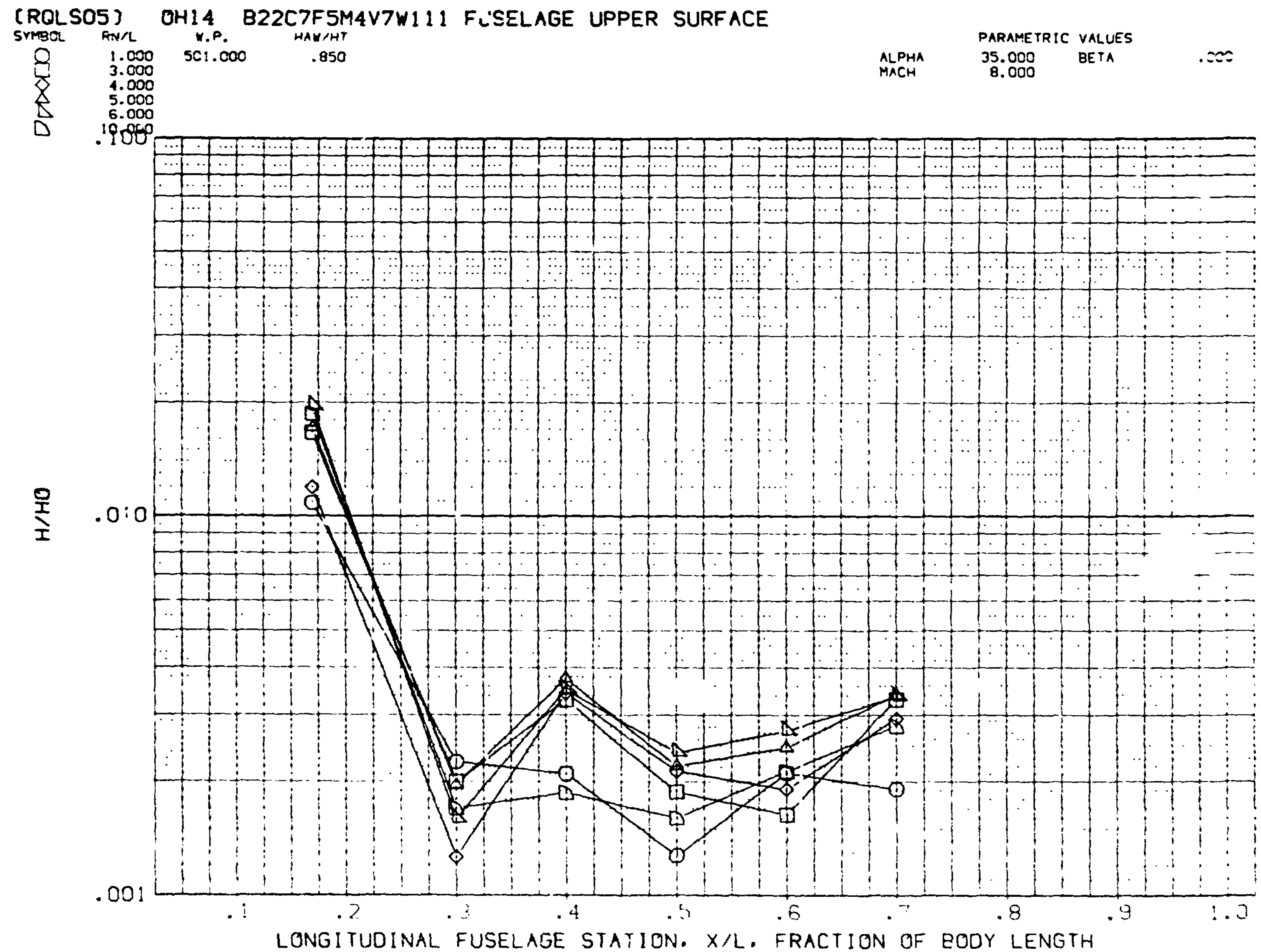


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	375.000	.900
□	3.000		
◇	4.000		
△	5.000		
◁	6.000		
◺	10.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

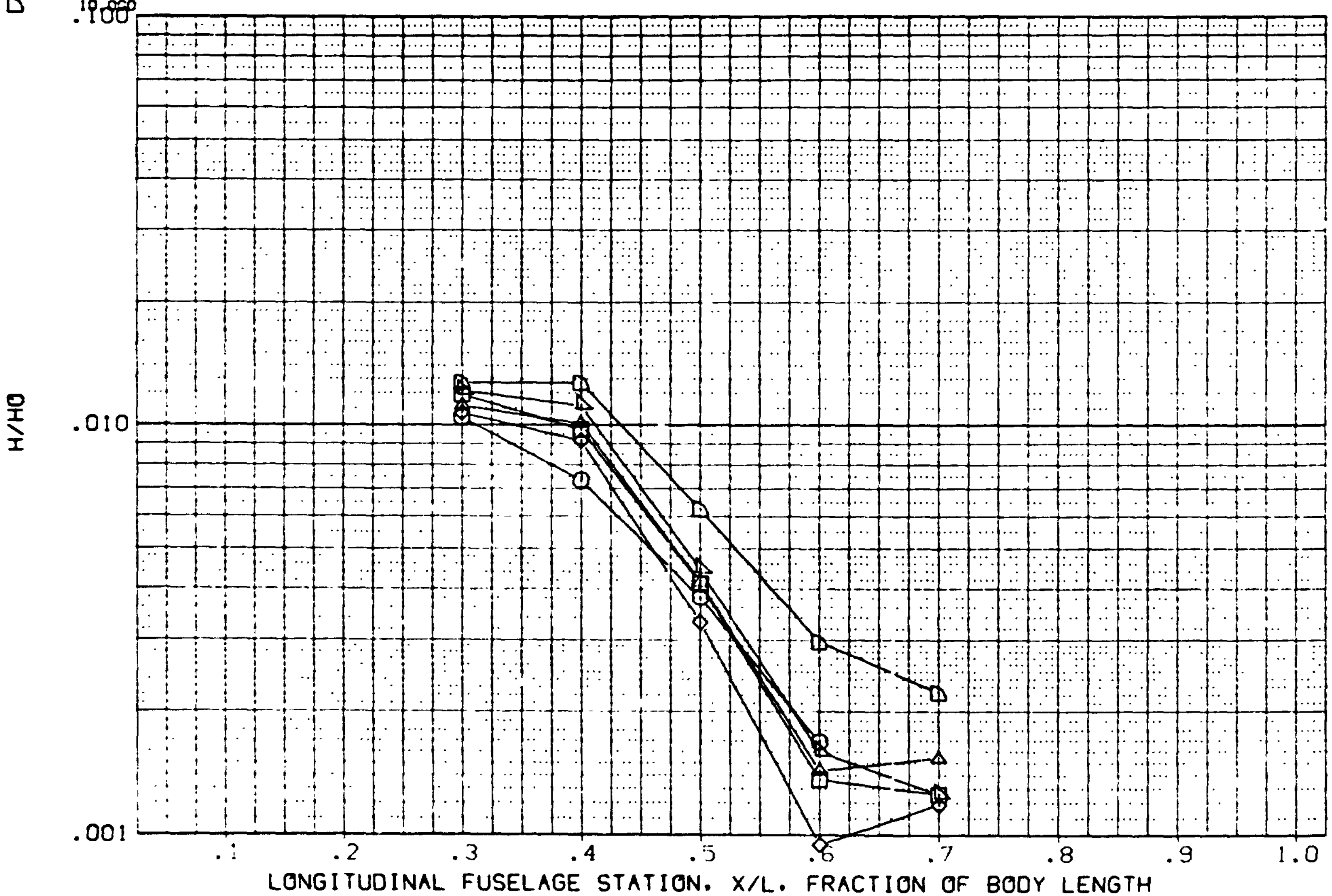


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

SYMBOL	RN/L	W.P.	HAW/HT
○	1.000	4CC.000	.900
□	3.000		
◇	4.000		
△	5.000		
◁	6.000		
▷	10.000		

PARAMETRIC VALUES

ALPHA 35.000 BETA .000
MACH 8.000

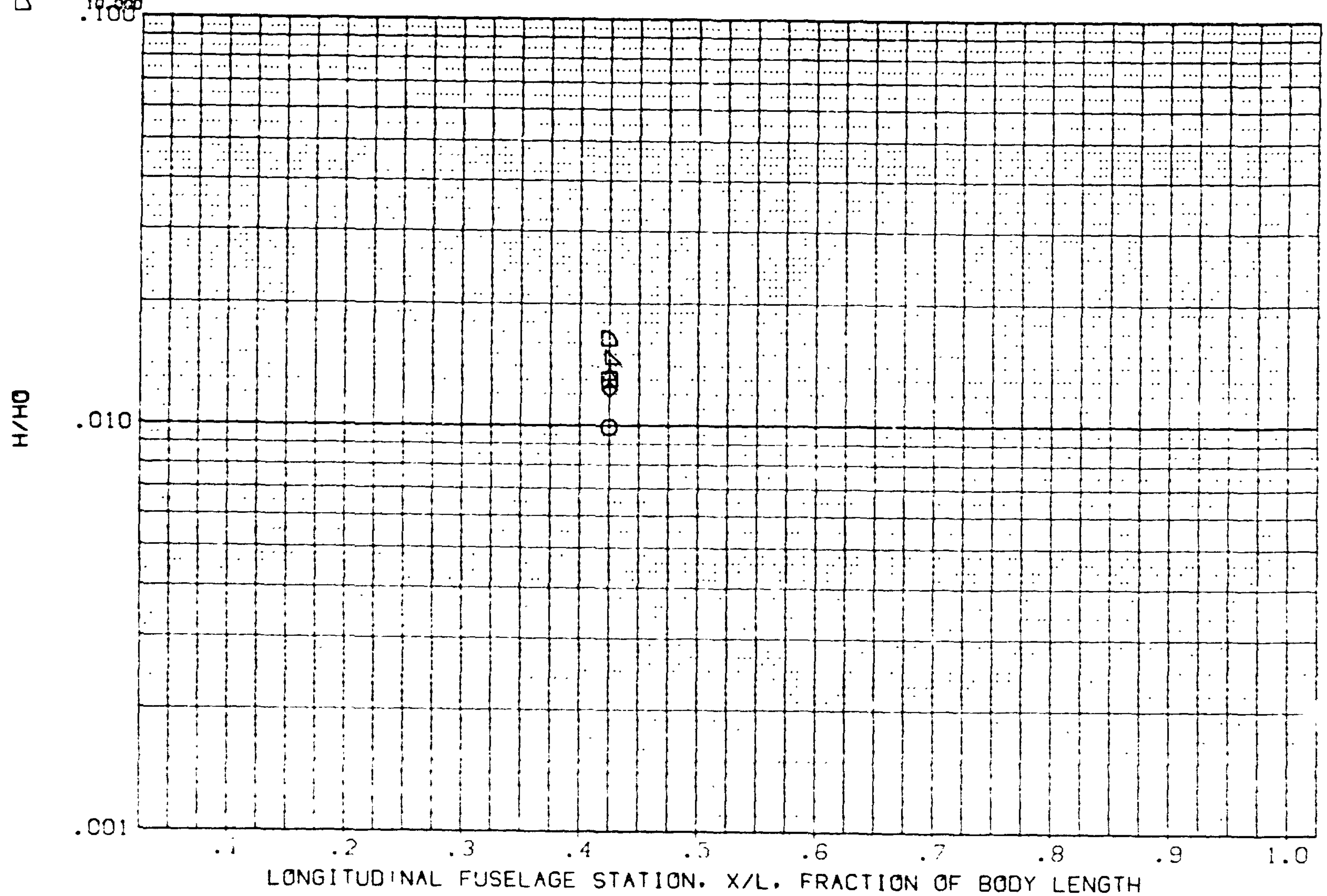


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

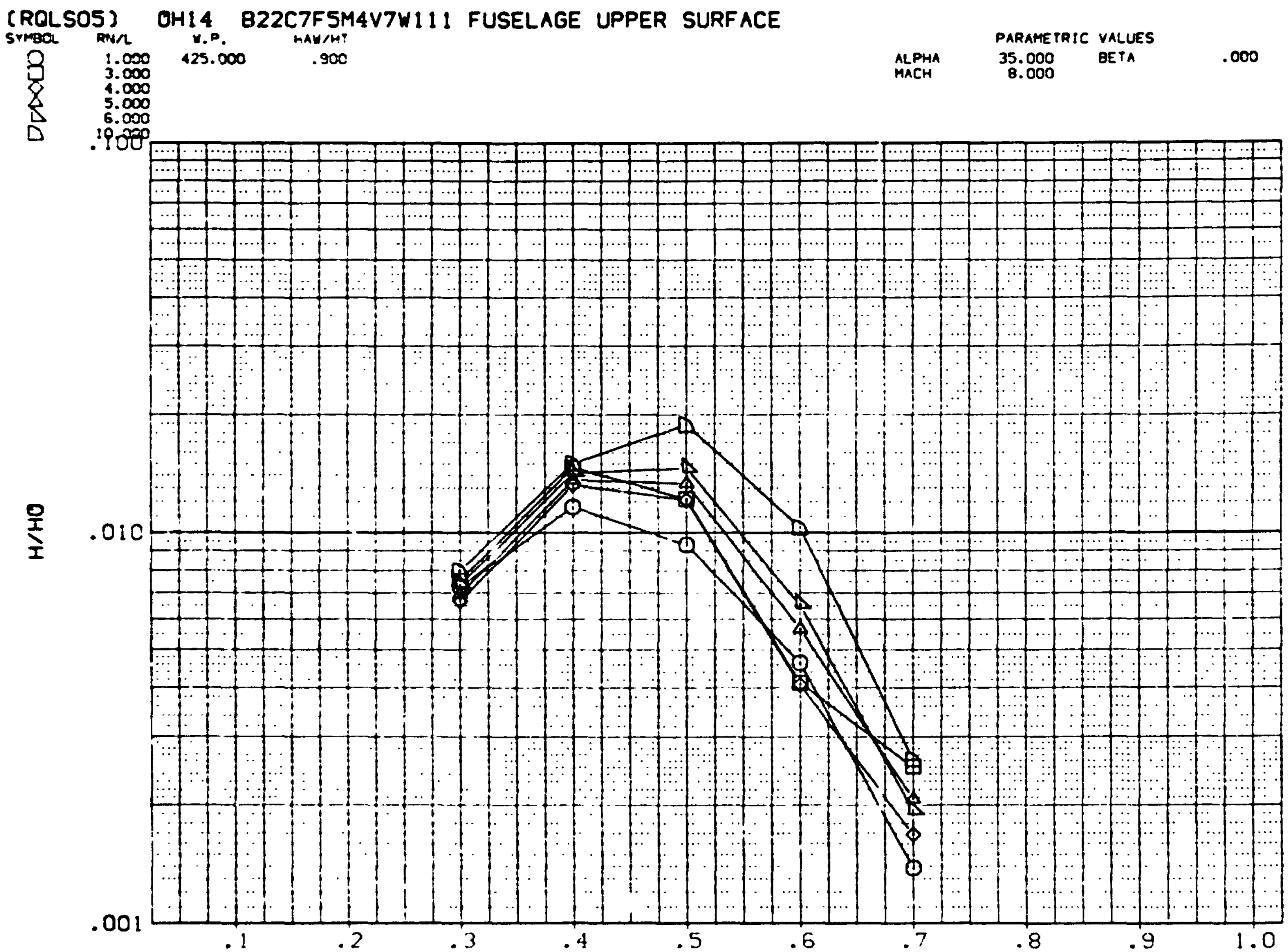


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

(RQLS05) OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE

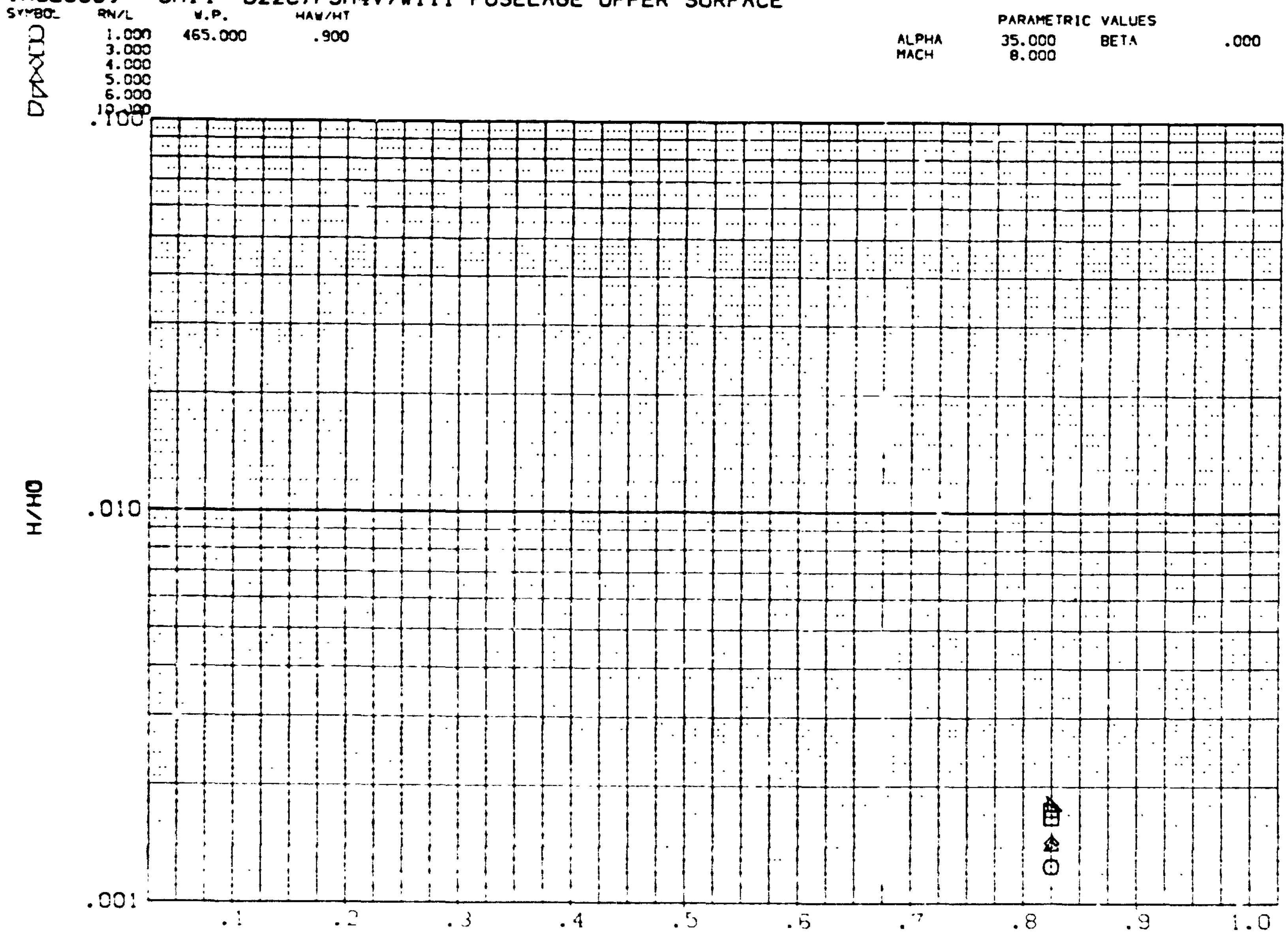


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG ANGLE OF ATTACK

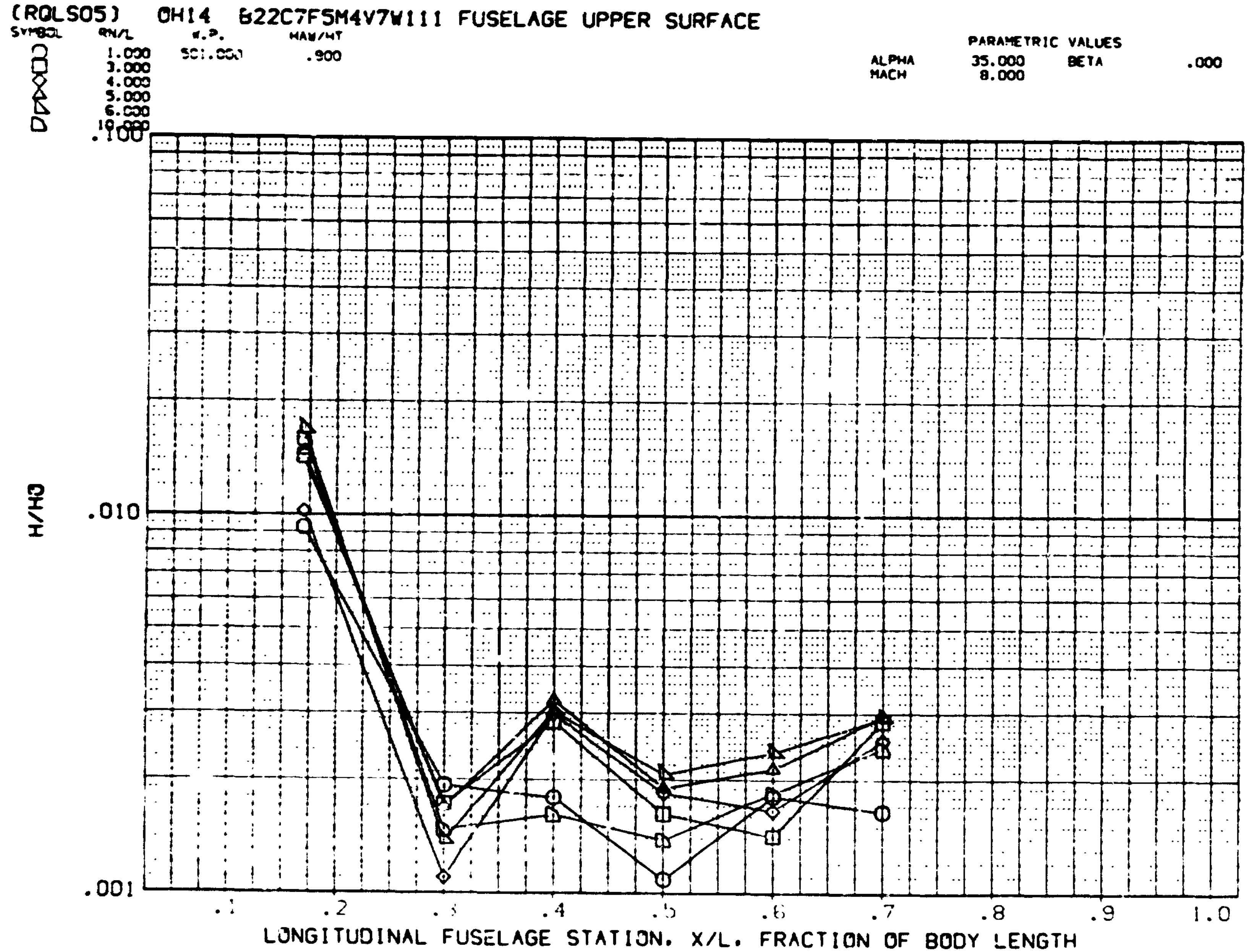


FIG 30 VARIATION OF RN/L ON FUSELAGE UPPER SURFACE AT 35 DEG. ANGLE OF ATTACK

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are availabl
upon request from Data Management Services.

DATE 09 JUL 76 OH14 TABULATED SOURCE DATA PAGE :

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RUL302) (21 JUN 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1804	
.050	.1104	
.075	.0937	
.100	.0762	
.125	.0649	
.150	********	
.175	.0499	
.200	.0462	
.250	.0396	
.300	.0354	
.350	.0279	.0378
.400	.0323	********
.450	.0311	
.500	.0303	.0489
.550	********	
.600	.0239	.0419
.650	.0218	
.700	********	.0348
.750	.0203	
.800	.0170	.0303
.850	.0193	
.900	.0160	.0248
.950	.0136	
1.000	.0104	.0204
1.040	.0094	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000
.025	.1670
.050	.0985
.075	.0810
.100	.0682
.125	.0581

ORIGINAL PAGE IS OF POOR QUALITY

DATE 09 JUL 76 OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFAC. (RQLB02)

RN/L (1) = 1.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.150	********	
.175	.0446	
.200	.0414	
.250	.0355	
.300	.0318	
.350	.0251	.0338
.400	.0290	********
.450	.0279	
.500	.0272	.0437
.550	********	
.600	.0214	.0376
.650	.0196	
.700	********	.0312
.750	.0182	
.800	.0153	.0272
.850	.0170	
.900	.0143	.0222
.950	.0123	
1.000	.0094	.0183
1.040	.0076	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1657	
.050	.1144	
.075	.0945	
.100	.0799	
.125	.0685	
.150	********	
.175	.0509	
.200	.0457	
.250	.0336	
.300	.0347	
.350	.0259	.0403
.400	.0292	********
.450	.0276	
.500	.0282	. 509
.550	********	
.600	.0238	.0430
.650	********	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB02)

RN/L (2) = 3.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	17.0000
X/L		
.700	********	.0369
.750	.0177	
.800	.0134	.0342
.850	.0167	
.900	.0153	.0275
.950	.0131	
1.000	.0113	.0222
1.040	.0085	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	17.0000
X/L		
.025	.1542	
.050	.1122	
.075	.0847	
.100	.0715	
.125	.0515	
.150	********	
.175	.0458	
.200	.0420	
.250	.0356	
.300	.0309	
.350	.0234	.0362
.400	.0284	********
.450	.0249	
.500	.0255	.0457
.550	********	
.600	.0215	.0386
.650	********	
.700	********	.0332
.750	.0150	
.800	.0122	.0308
.850	.0151	
.900	.0133	.0248
.950	.0119	
1.000	.0102	.0200
1.040	.0076	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQL802)

RN/L (3) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1914	
.050	.1185	
.075	.0983	
.100	.0820	
.125	.0702	
.150	********	
.175	.0529	
.200	.0493	
.250	.0401	
.300	.0342	
.350	.0251	.0405
.400	.0289	********
.450	.0259	
.500	.0264	.0505
.550	********	
.600	.0251	.0413
.650	********	
.700	********	.0359
.750	.0217	
.800	.0195	.0336
.850	.0269	
.900	.0266	.0293
.950	.0251	
1.000	.0237	.0238
1.040	.0192	

RN/L (3) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1679	
.050	.1056	
.075	.0880	
.100	.0735	
.125	.0631	
.150	********	
.175	.0475	
.200	.0435	
.250	.0362	
.300	.0309	
.350	.0236	.0364
.400	.0251	********

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB02)

RN/L (3) = 6.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.450	.0234	
.500	.0239	.0453
.550	********	
.600	.0227	.0371
.650	********	
.700	********	.0324
.750	.0196	
.800	.0176	.0303
.850	.0243	
.900	.0240	.0260
.950	.0228	
1.000	.0214	.0215
1.040	.0174	

RN/L (4) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1975	
.050	.1207	
.075	.1011	
.100	.0851	
.125	.0724	
.150	********	
.175	.0534	
.200	.0490	
.250	.0415	
.300	.0355	
.350	.0271	.0414
.400	.0292	********
.450	.0266	
.500	.0279	.0520
.550	********	
.600	.0242	.0440
.650	********	
.700	********	.0421
.750	.0246	
.800	.0275	.0463
.850	.0456	
.900	.0493	.0455
.950	.0476	
1.000	.0475	.0445

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (R0LB02)

RN/L (4) = 8.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	
1.040	.0357

RN/L (4) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2027.9 TO = 1437.2 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1721	
.050	.1071	
.075	.0901	
.100	.0761	
.125	.0648	
.150	•••• ••	
.175	.0496	
.200	.0440	
.250	.0374	
.300	.0320	
.350	.0245	.0372
.400	.0264••••••••	
.450	.0240	
.500	.0252	.0455
.550	••••• ••	
.600	.0219	.0395
.650	••••••••	
.700	••••••••	.0378
.750	.0222	
.800	.0248	.0415
.850	.0411	
.900	.0444	.0409
.950	.0429	
1.000	.0428	.0401
1.040	.0331	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW02) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
MACH = 2.000

PN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

X/C \ 2Y/B	.4000	.6000	.8000
.050	.0902		
.100	.0862	.0750	
.200	.0599	.0656	
.300	.0420	.0529	
.400	.0352	.0479	.0534
.500	.0309	.0455	
.600	.0289	.0431	.0395
.700	.0256	.0396	
.800	.0224	******	.0304
.900	.0172	.0223	

PN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

X/C \ 2Y/B	.4000	.6000	.8000
.050	.0804		
.100	.0769	.0671	
.200	.0536	.0588	
.300	.0377	.0474	
.400	.0316	.0429	.0479
.500	.0277	.0408	
.600	.0260	.0387	.0345
.700	.0229	.0346	
.800	.0201	********	.0273
.900	.0155	.0200	

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CH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW02)

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0937		
.100	.0929	.0839	
.200	.0642	.0722	
.300	.0441	.0588	
.400	.0359	.0536	.0610
.500	.0314	.0511	
.600	.0291	.0482	.0493
.700	.0259	.0429	
.800	.0220	********	.0393
.900	.0157	.0244	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0834		
.100	.0829	.0752	
.200	.0577	.0648	
.300	.0397	.0529	
.400	.0324	.0482	.0549
.500	.0283	.0459	
.600	.0262	.0434	.0444
.700	.0234	.0366	
.800	.0199	********	.0354
.900	.0142	.0220	

RN/L (3) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0990		
.100	.0987	.0920	
.200	.0690	.0835	
.300	.0459	.0770	
.400	.0392	.0719	.0947
.500	.0353	.1020	
.600	.0313	.1010	.0991
.700	.0284	.0954	
.800	.0245	********	.0847

OH14 322C7F5M4V7W1.1 WING LOWER SURFACE (RQLW02)

RN/L (3) = 6.000 HAW/HT(1) = .850

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0169	.0550	

RN/L (3) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0875		
.100	.0877	.0822	
.200	.0619	.0746	
.300	.0422	.0685	
.400	.0353	.0630	.0847
.500	.0318	.0303	
.600	.0282	.0697	.0882
.700	.0255	.0850	
.800	.0222*****	*	.0756
.900	.0153	.0494	

RN/L (4) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.1120		
.100	.1001	.0999	
.200	.0738	.0992	
.300	.0544	.1135	
.400	.0482	.1126	.1105
.500	.0456	.1258	
.600	.0388	.1456	.1149
.700	.0368	.1319	
.800	.0334*********		.0938
.900	.0221	.0695	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW02)

RN/L (4) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0983		
.100	.0885	.0898	
.200	.0658	.0878	
.300	.0428	.0995	
.400	.0433	.0364	.0981
.500	.0410	..074	
.600	.0350	.1259	.1014
.700	.0332	.1155	
.800	.0301	*********	.0833
.900	.0200	.0620	

DATE 09 JUL 76 — OH14 TABULATED SOURCE DATA — PAGE 11

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS02) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .45000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0125	.0178		.0133	.0088	.0034	
400.000				.0191				
425.000		.0081	.0130		.0189	.0197	.0117	
465.000								.0128
501.000	.0153	.0027	.0033		.0046	.0052	.0039	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0112	.0160		.0120	.0079	.0031	
400.000				.0171				
425.000		.0073	.0117		.0170	.0177	.0106	
465.000								.0115
501.000	.0138	.0024	.0030		.0041	.0047	.0035	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9530 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0131	.0235		.0186	.0117	.0038	
400.000				.0221				
425.000		.0082	.0130		.0205	.0264	.0165	
465.000								.0240
501.000	.0191	.0023	.0049		.0069	.0068	.0047	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS02)

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0118	.0212		.0168	.0106	.0034	
400.000				.0230				
425.000		.0074	.0118		.0185	.0238	.0149	
465.000								.0217
501.000	.0172	.0021	.0043		.0062	.0061	.0043	

RN/L (3) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0144	.0277		.0228	.0169	.0073	
400.000				.0239				
425.000		.0085	.0136		.0207	.0281	.0222	
465.000								.0361
501.000	.0243	.0025	.0056		.0062	.0052	.0047	

RN/L (3) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0131	.0251		.0207	.0153	.0066	
400.000				.0216				
425.000		.0077	.0133		.0188	.0254	.0201	
465.000								.0323
501.000	.0220	.0023	.0051		.0057	.0048	.0042	

RN/L (4) = 8.000 HAW/HT(1) = .850 MACH = 8.0310 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0147	.0306		.0256	.0185	.0080	
400.000				.0248				
425.000		.0087	.0135		.0208	.0285	.0239	
465.000								.0381
501.000	.0239	.0029	.0071		.0084	.0084	.0048	

DATE 09 JUL 76

OHI4 TABULATED SOURCE DATA

OHI4 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS021)

FN/L (4) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0133	.0276		.0231	.0167	.0073	
400.000				0224				
425.000		.0079	.0123		.0168	.0258	.0216	
465.000								.0340
531.000	.0261	.0026	.0055		.0076	.0076	.0043	

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OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM02) (21 JUN 76)

REFERENCE DATA

SREF =	2690.0000 SQ.FT.	XMRP =	.0000 IN.		
LREF =	1290.3000 IN.	YMRP =	.0000		
BREF =	1290.3000 IN.	ZMRP =	.0000		
SCALE =	.0050				

PARAMETRIC DATA

ALPHA =	20.000	BETA =	.000
MACH =	8.000		

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1106
.150	.0863
.200	.0549

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.0987
.150	.0771
.200	.0491

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1145
.150	.0910
.200	.0592

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1022
.150	.0815
.200	.0542

DATE 09 JUL 76

OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM02)

RN/L (3) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

DEPENDENT VARIABLE H/HO

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	.1173
.150	.0965
.200	.0609

RN/L (3) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

DEPENDENT VARIABLE H/HO

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	.1045
.150	.0853
.200	.0548

RN/L (4) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

DEPENDENT VARIABLE H/HO

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	.1202
.150	.0991
.200	.0626

RN/L (4) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

DEPENDENT VARIABLE H/HO

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	.1055
.150	.0883
.200	.0562

C6

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1729	
.050	.1112	
.075	.0958	
.100	.0832	
.125	.0732	
.150	....	
.175	.0584	
.200	.0542	
.250	.0471	
.300	.0424	
.350	.0332	.0404
.400	.0384	....
.450	.0362	
.500	.0360	.0509
.550	....	
.600	.0315	.0421
.650	.0314	
.700	....	.0349
.750	.0296	
.800	.0238	.0299
.850	.0250	
.900	.0206	.0258
.950	.0193	
1.000	.0162	.0180
1.040	.0118	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	
.025	.1497
.050	.0959
.075	.0844
.100	.0727
.125	.0640

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

RN/L (1) = 1.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.150	******* **	
.175	.0511	
.200	.0475	
.250	.0412	
.300	.0371	
.350	.0291	.0353
.400	.0337********	
.450	.0317	
.500	.0315	.0445
.550	********	
.600	.0276	.0359
.650	.0275	
.700	********	.0306
.750	.0260	
.800	.0209	.0262
.850	.0228	
.900	.0181	.0226
.950	.0159	
1.000	.0142	.0158
1.040	.0104	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1861	
.050	.1225	
.075	.1057	
.100	.0906	
.125	.0790	
.150	********	
.175	.0615	
.200	.0575	
.250	.0507	
.300	.0445	
.350	.0353	.0426
.400	.0402 *******	
.450	.0372	
.500	.0358	.0545
.550	********	
.600	.0322	.0449
.650	.0314	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

RN/L (2) = 3.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.700	********	.0394
.750	.0349	
.800	.0235	.0545
.850	.0351	
.900	.0307	.0627
.950	.0262	
1.000	.0245	.0514
1.040	.0212	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1607	
.050	.1079	
.075	.0926	
.100	.0795	
.125	.0694	
.150	********	
.175	.0542	
.200	.0506	
.250	.0448	
.300	.0394	
.350	.0312	.0375
.400	.0355	********
.450	.0329	
.500	.0325	.0479
.550	********	
.600	.0295	.0396
.650	.0278	
.700	********	.0347
.750	.0309	
.800	.0261	.0480
.850	.0310	
.900	.0271	.0551
.950	.0232	
1.000	.0217	.0453
1.040	.0188	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RCLB03)

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1648	
.050	.1280	
.075	.1102	
.100	.0935	
.125	.0808	
.150	********	
.175	.0637	
.200	.0594	
.250	.0526	
.300	.0461	
.350	.0356	.0375
.400	.0413	********
.450	.0394	
.500	.0392	.0551
.550	********	
.600	.0347	.0469
.650	.0348	
.700	********	.0435
.750	.0358	
.800	.0306	.0624
.850	.0378	
.900	.0338	.0697
.950	.0293	
1.000	.0293	.0566
1.040	.0229	

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1399	
.050	.1120	
.075	.0967	
.100	.0823	
.125	.0712	
.150	********	
.175	.0563	
.200	.0525	
.250	.0465	
.300	.0408	
.350	.0316	.0330
.400	.0365	********

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

RN/L (3) = 4.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L		
.450	.0340	
.500	.0339	.0485
.550	....	
.600	.0308	.0414
.650	.0308	
.700	....	.0385
.750	.0316	
.800	.0270	.0549
.850	.0334	
.900	.0296	.0613
.950	.0259	
1.000	.0251	.0499
1.040	.0203	

RN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0220 PO = 12 8.8 TO = 1393.5 HO = .10200

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L		
.025	.1995	
.050	.1332	
.075	.1143	
.100	.0956	
.125	.0833	
.150	....	
.175	.0654	
.200	.0608	
.250	.0535	
.300	.0470	
.350	.0367	.0455
.400	.0418	....
.450	.0391	
.500	.0386	.0564
.550	....	
.600	.0342	.0477
.650	.0335	
.700	....	.0442
.750	.0402	
.800	.0373	.0561
.850	.0479	
.900	.0430	.0789
.950	.0389	
1.000	.0395	.0608

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

RN/L (4) = 5.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L	.0000	17.0000
1.040	.0331	

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L	.0000	17.0000
.025	.1708	
.050	.1158	
.075	.0988	
.100	.0847	
.125	.0731	
.150	....	
.175	.0575	
.200	.0535	
.250	.0472	
.300	.0415	
.350	.0384	.0401
.400	.0369	....
.450	.0346	
.500	.0341	.0494
.550	....	
.600	.0302	.0420
.650	.0296	
.700	....	.0389
.750	.0355	
.800	.0330	.0579
.850	.0422	
.900	.0379	.0689
.950	.0344	
1.000	.0343	.0534
1.040	.0292	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

PN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.2095	
.050	.1362	
.075	.1203	
.100	.1019	
.125	.0875	
.150	....	
.175	.0676	
.200	.0627	
.250	.0556	
.300	.0494	
.350	.0381	.0466
.400	.0433	....
.450	.0405	
.500	.0402	.0585
.550	....	
.600	.0365	.0494
.650	.0366	
.700	.....	.0475
.750	.0480	
.800	.0478	.0756
.850	.0520	
.900	.0577	.0676
.950	.0540	
1.000	.0561	.0651
1.040	.0463	

PN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1782	
.050	.1198	
.075	.1048	
.100	.0891	
.125	.0767	
.150	....	
.175	.0595	
.200	.0552	
.250	.0430	
.300	.0435	
.350	.0337	.0409
.400	.0382	....

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

PN/L (5) = 6.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.450	.0358	
.500	.0355	.0512
.550	....	
.600	.0323	.0434
.650	.0324	
.700	....	.0418
.750	.0423	
.800	.0421	.0659
.850	.0545	
.900	.0507	.0582
.950	.0476	
1.000	.0494	.0571
1.040	.0409	

PN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.2146	
.050	.1391	
.075	.1203	
.100	.1032	
.125	.0890	
.150	....	
.175	.0685	
.200	.0633	
.250	.0563	
.300	.0510	
.350	.0392	.0475
.400	.0441	....
.450	.0410	
.500	.0407	.0589
.550	....	
.600	.0385	.0506
.650	.0406	
.700	....	.0514
.750	.0693	
.800	.0736	.0910
.850	.0970	
.900	.0636	.0801
.950	.0626	
1.000	.0569	.0717

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

RN/L (6) = 8.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	
1.040	.0654

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1811	
.050	.1201	
.075	.1044	
.100	.0849	
.125	.0777	
.150	********	
.175	.0601	
.200	.0556	
.250	.0495	
.300	.0440	
.350	.0337	.0416
.400	.0389	********
.450	.0361	
.500	.0359	.0514
.550	********	
.600	.0339	.0443
.650	.0356	
.700	********	.0450
.750	.0605	
.800	.0642	.0764
.850	.0842	
.900	.0780	.0680
.950	.0721	
1.000	.0724	.0626
1.040	0572	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB03)

PN/L (7) = 10.000 HAW/HT(1) = .850 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.2185	
.050	.1419	
.075	.1219	
.100	.1047	
.125	.0915	
.150	********	
.175	.0717	
.200	.0659	
.250	.0533	
.300	.0505	
.350	.0379	.0477
.400	.0445	********
.450	.0411	
.500	.0411	.0577
.550	********	
.600	.0400	.0521
.650	.0248	
.700	********	.0611
.750	.0864	
.800	.0923	.0915
.850	.1204	
.900	.1077	.0932
.950	.0979	
1.000	.0948	.0739
1.050	.0743	

PN/L (7) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1830	
.050	.1221	
.075	.1056	
.100	.0911	
.125	.0798	
.150	********	
.175	.0629	
.200	.0579	
.250	.0513	
.300	.0445	
.350	.0335	.0417
.400	.0393	********

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RCLB03)

RN/L (7) = 10.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.450	.0363	
.500	.0362	.0593
.550	....	
.600	.0353	.0456
.650	.0218	
.700	....	.0534
.750	.0753	
.800	.0803	.0764
.850	.1040	
.900	.0933	.0783
.950	.0652	
1.000	.0826	.0644
1.040	.0649	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW03) (21 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0050

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT (1) = .850 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0879		
.100	.0956	.0948	
.200	[illegible]	.0778	
.300	.0447	[illegible]	
.400	.0308	[illegible]	.0608
.500	.0374	.0562	
.600	.0319	.0513	.0452
.700	.0283	.0483	
.800	.0234	[illegible]	.0353
.900	[illegible]	.0262	

RN/L (1) = 1.000 HAW/HT (2) = .900 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0765		
.100	.0747	.0740	
.200	.0548	.0680	
.300	.0341	.0570	
.400	.0322	.0519	.0532
.500	.0232	.0491	
.600	.0270	.0449	.0335
.700	.0248	.0405	
.800	.0195	[illegible]	.0310
.900	.0149	.0309	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW03)

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0910		
.100	.0913	.0962	
.200	.0683	.0868	
.300	.0465	.0735	
.400	.0371	.0577	.0697
.500	.0322	.0655	
.600	.0297	.0641	.0555
.700	.0274	.0583	
.800	.0239	********	.0453
.900	.0188	.0327	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0793		
.100	.0798	.0844	
.200	.0501	.0762	
.300	.0410	.0646	
.400	.0328	.0594	.0514
.500	.0284	.0584	
.600	.0252	.0563	.0489
.700	.0243	.0513	
.800	.0212	********	.0400
.900	.0166	.0289	

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0812		
.100	.0942	.0980	
.200	.0595	.0860	
.300	.0487	.0694	
.400	.0394	.0650	.0765
.500	.0343	.0572	
.600	.0322	.0791	.0697
.700	.0305	.0719	
.800	.0271	********	.0596

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW03)

RN/L (3) = 4.000 HAW/HT(1) = .850

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0199	.0385	

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0702		
.100	.0623	.0860	
.200	.0512	.0754	
.300	.0431	.0600	
.400	.0348	.0568	.0690
.500	.0304	.0496	
.600	.0285	.0592	.0613
.700	.0270	.0630	
.800	.0240********		.0525
.900	.0176	.0340	

RN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0916		
.100	.0952	.1030	
.200	.0709	.0974	
.300	.0493	.0670	
.400	.0395	.0724	.1071
.500	.0343	.0848	
.600	.0311	.0857	.0998
.700	.0287	.0799	
.800	.0257********		.0995
.900	.0209	.0457	

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OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW03)

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0794		
.100	.0828	.0899	
.200	.0622	.0848	
.300	.0434	.0574	
.400	.0349	.0616	.0930
.500	.0303	.0722	
.600	.0275	.0734	.0858
.700	.0254	.0585	
.800	.0229	********	.0781
.900	.0185	.0393	

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.5000	.8000
X/C			
.050	.0939		
.100	.0968	.1111	
.200	.0739	.1156	
.300	.0509	.1336	
.400	.0417	.1127	.1337
.500	.0355	.1192	
.600	.0335	.1446	.1316
.700	.0315	.1373	
.800	.0265	***** **	.1195
.900	.0235	.0805	

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0811		
.100	.0839	.0966	
.200	.0647	.0999	
.300	.0448	.1142	
.400	.0367	.0941	.1149
.500	.0322	.0998	
.600	.0296	.1233	.1130
.700	.0279	.1180	
.800	.0252	********	.1032

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW03)

RN/L (5) = 6.000 HAW/HT(2) = .900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0208	.0702	

RN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0965		
.100	.1023	.1198	
.200	.0862	.1335	
.300	.0600	.1327	
.400	.0501	.1455	.1874
.500	.0459	.1619	
.600	.0389	.1989	.1859
.700	.0393	.1679	
.800	.0394*****	**	.1409
.900	.0320	.0900	

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0927		
.100	.0879	.1035	
.200	.0749	.1142	
.300	.0525	.1087	
.400	.0439	.1174	.1573
.500	.0402	.1302	
.600	.0342	.1582	.1573
.700	.0346	.1417	
.800	.0347*********		.1204
.900	.0282	.0777	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW03)

RN/L (7) = 10.000 HAW/HT(1) = .850 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.1200		
.100	.1188	.1225	
.200	.0939	.1417	
.300	.0647	.1508	
.400	.0547	.1608	.1867
.500	.0507	.1672	
.600	.0443	.1615	.1648
.700	.0484	.1705	
.800	.0510	********	.1460
.900	.0470	.0921	

RN/L (7) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.1022		
.100	.1016	.1057	
.200	.0814	.1208	
.300	.0567	.1216	
.400	.0479	.1276	.1492
.500	.0446	.1325	
.600	.0390	.1295	.1336
.700	.0426	.1428	
.800	.0448	********	.1242
.900	.0414	.0793	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS03) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0112	.0135		.0076	.0048	.0013	
400.000				.0171				
425.000		.0085	.0145		.0159	.0111	.0044	
465.000								.0033
501.000	.0081	.0014	.0023		.0024	.0021	.0013	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0098	.0119		.0067	.0042	.0012	
400.000				.0150				
425.000		.0075	.0128		.0139	.0098	.0039	
465.000								.0029
501.000	.0072	.0012	.0020		.0021	.0019	.0012	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0140	.0189		.0097	.0052	.0028	
400.000				.0226				
425.000		.0083	.0174		.0205	.0167	.0055	
465.000								.0042
501.000	.0139	.0017	.0041		.0044	.0037	.0018	

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OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS03)

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .9000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0124	.0168		.0086	.0046	.0025	
400.000				.0200				
425.000		.0074	.0154		.0181	.0148	.0049	
465.000								.0038
501.000	.0123	.0015	.0036		.0039	.0033	.0016	

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0138	.0201		.0111	.0057	.0036	
400.000				.0244				
425.000		.0087	.0173		.0216	.0178	.0069	
465.000								.0036
501.000	.0154	.0020	.0045		.0055	.0037	.0015	

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0123	.0179		.0099	.0050	.0032	
400.000				.0217				
425.000		.0078	.0154		.0192	.0158	.0061	
465.000								.0032
501.000	.0137	.0018	.0040		.0049	.0033	.0014	

RN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0146	.0219		.0122	.0057	.0034	
400.000				.0258				
425.000		.0088	.0179		.0228	.0201	.0085	
465.000								.0043
501.000	.0168	.0020	.0049		.0057	.0042	.0016	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RCLS03)

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0130	.0194		.0109	.0051	.0030	
400.000				.0229				
425.000		.0078	.0159		.0202	.0178	.0077	
465.000								.0039
501.000	.0149	.0017	.0044		.0050	.0038	.0015	

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0149	.0235		.0134	.0060	.0040	
400.000				.0270				
425.000		.0091	.0181		.0237	.0224	.0106	
465.000								.0064
501.000	.0196	.0026	.0056		.0066	.0041	.0017	

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0132	.0208		.0120	.0053	.0036	
400.000				.0239				
425.000		.0081	.0160		.0210	.0199	.0094	
465.000								.0057
501.000	.0164	.0023	.0050		.0058	.0037	.0015	

RN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0150	.0249		.0142	.0068	.0042	
400.000				.0276				
425.000		.0095	.0194		.0234	.0258	.0143	
465.000								.0167
501.000	.0218	.0028	.0063		.0071	.0037	.0012	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS03)

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0133	.0220		.0126	.0078	.0038	
400.000				.0244				
425.000		.0085	.0163		.0207	.0228	.0127	
465.000								.0148
501.000	.0193	.0024	.0056		.0063	.0033	.0011	

RN/L (7) = 10.000 HAW/HT(1) = .850 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0154	.0251		.0147	.0089	.0044	
400.000				.0276				
425.000		.0093	.0189		.0230	.0278	.0158	
465.000								.0276
501.000	.0241	.0030	.0054		.0067	.0030	.0024	

RN/L (7) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0137	.0222		.0130	.0079	.0039	
400.000				.0245				
425.000		.0082	.0158		.0204	.0246	.0150	
465.000								.0245
501.000	.0214	.0027	.0048		.0059	.0026	.0021	

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM03) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1253
.150	.0877
.200	.0595

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.0918
.150	.0766
.200	.0520

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .73000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1134
.150	.0957
.200	.0656

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1009
.150	.0839
.200	.0577

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM03)

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1210
.150	.0994
.200	.0672

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1059
.150	.0873
.200	.0593

RN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1256
.150	.1032
.200	.0692

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1094
.150	.0902
.200	.0608

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM03)

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1304
.150	.1085
.200	.0720

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1132
.150	.0946
.200	.0632

RN/L (5) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1305
.150	.1097
.200	.0739

RN/L (5) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1128
.150	.0953
.200	.0647

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OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RGLM03)

RN/L (7) = 10.000 HAW/HT(1) = .850 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1727
.150	.1112
.200	.0760

RN/L (7) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1144
.150	.0964
.200	.0665

DATE 09 JUL 75 OH14 TABULATED SOURCE DATA PAGE [illegible]

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04) (21 JUN 75

REFERENCE DATA

SREF	=	2690.0000 SQ.FT.	XMRP	=	.0000 IN.
LREF	=	1290.3000 IN.	YMRP	=	.0000
BREF	=	1290.3000 IN.	ZMRP	=	.0000
SCALE	=	.0060			

PARAMETRIC DATA

ALPHA	=	30.000	BETA	=	.000
MACH	=	8.000			

RN/L (1) = 1.000 HAW HT(1) = .850 MACH = 7.9050 PO = 228.40 TO = 1258.0 HO = .44000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L		
.025	.1792	
.050	.1255	
[illegible]	.1126	
[illegible]	.0970	
.125	.0869	
.150	[illegible]	
.175	.0700	
.200	.0607	
.250	.0570	
.300	.0516	
.350	.0478	.0440
.400	.0473	[illegible]
.450	.0449	
.500	.0457	.0565
.550	[illegible]	
.600	.0395	.0451
.650	.0381	
.700	[illegible]	.0365
.750	.0355	
.800	.0283	.0326
.850	.0310	
.900	.0279	.0294
.950	.0240	
1.000	.0224	.0276
1.040	.0157	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L	
.025	.1517
.050	.1070
.075	.0961
.100	.0838
.125	.0744

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (1) = 1.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.150	********	
.175	.0599	
.200	.0553	
.250	.0489	
.300	.0443	
.350	.0351	.0378
.400	.0406	********
.450	.0396	
.500	.0392	.0483
.550	********	
.600	.0339	.0396
.650	.0327	
.700	********	.0315
.750	.0305	
.800	.0244	.0280
.850	.0284	
.900	.0240	.0253
.950	.0207	
1.000	.0175	.0238
1.040	.0135	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9540 PO = 696.45 TO = 1355 I HO = .78000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1869	
.050	.1316	
.075	.1181	
.100	.1029	
.125	.0904	
.150	********	
.175	.0733	
.200	.0654	
.250	.0539	
.300	.0524	
.350	.0408	.0439
.400	.0470	*******
.450	.0454	
.500	.0450	.0553
.550	** *****	
.600	.0397	.0473
.650	.0383	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (2) = 3.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	.0000	17.0000
.700	********	.0368
.750	.0382	
.800	.0312	.0328
.850	.0408	
.900	.0370	.0324
.950	.0315	
1.000	.0275	.0334
1.040	.0222	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	.0000	17.0000
.025	.1576	
.050	.1123	
.075	.1011	
.100	.0893	
.125	.0777	
.150	********	
.175	.0632	
.200	.0530	
.250	.0516	
.300	.0453	
.350	.0353	.0379
.400	0.425	********
.450	.0392	
.500	.0389	.0484
.550	********	
.600	.0343	.0408
.650	.0332	
.700	********	.0318
.750	.0331	
.800	.0271	.0264
.850	.0353	
.900	.0321	.0281
.950	.0273	
1.000	.0238	.0289
1.040	.0192	

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1893	
.050	.1366	
.075	.1238	
.100	.1071	
.125	.0940	
.150	....	
.175	.0753	
.200	.0707	
.250	.0629	
.300	.0551	
.350	.0420	.0466
.400	.0431	....
.450	.0479	
.500	.0495	.0592
.550	....	
.600	.0503	.0506
.650	.0546	
.700	....	.0453
.750	.0716	
.800	.0658	.0519
.850	.0846	
.900	.0760	.0566
.950	.0668	
1.000	.0615	.0532
1.040	.0493	

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1597	
.050	.1159	
.075	.1064	
.100	.0923	
.125	.0810	
.150	....	
.175	.0652	
.200	.0612	
.250	.0546	
.300	.0478	
.350	.0365	.0404
.400	.0427	....

CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (3) = 4.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L		
.450	.0416	
.500	.0430	.0510
.550	••••••••	
.600	.0437	.0438
.650	.0474	
.700	••••••••	.0397
.750	.0520	
.800	.0571	.0449
.850	.0731	
.900	.0659	.0507
.950	.0580	
1.000	.0535	.0462
1.040	.0429	

RN/L (4) = 4.500 HAW/HT(1) = .850 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

Y/L		
.025	.1983	
.050	.1409	
.075	.1273	
.100	.1099	
.125	.0964	
.150	••••••••	
.175	.0789	
.200	.0720	
.250	.0643	
.300	.0555	
.350	.0430	.0475
.400	.0501	••••••••
.450	.0456	
.500	.0436	.0607
.550	••••••••	
.600	.0471	.0509
.650	.0495	
.700	••••••••	.0426
.750	.0605	
.800	.0559	.0451
.850	.0729	
.900	.0677	.0511
.950	.0606	
1.000	.0556	.0500

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (4) = 4.500 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	
1.040	.0424

RN/L (4) = 4.500 HAW/HT(2) = .900 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

Y/L	.0000	117.0000
.025	.1670	
.050	.1204	
.075	.1092	
.100	.0946	
.125	.0831	
.150		
.175	.0665	
.200	.0623	
.250	.0557	
.300	.0490	
.350	.0374	.0411
.400	.0435	
.450	.0422	
.500	.0430	.0523
.550		
.600	.0428	.0440
.650	.0421	
.700		.0359
.750	.0524	
.800	.0484	.0390
.850	.0623	
.900	.0566	.0442
.950	.0525	
1.000	.0422	.0433
1.040	.0363	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (5) = 5.000 HAW/HT(1) = .850 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L		
.025	.1580	
.050	.1303	
.075	.1195	
.100	.1037	
.125	.0913	
.150	********	
.175	.0723	
.200	.0674	
.250	.0539	
.300	.0531	
.350	.0368	.0430
.400	.0475	********
.450	.0477	
.500	.0518	.0576
.550	********	
.600	.0604	.0527
.650	.0694	
.700	********	.0544
.750	.0989	
.800	.0904	.0770
.850	.1167	
.900	.1024	.0889
.950	.0986	
1.000	.0827	.0693
1.040	.0647	

RN/L (5) = 5.000 HAW/HT(2) = .900 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L		
.025	.1302	
.050	.1112	
.075	.1024	
.100	.0891	
.125	.0786	
.150	********	
.175	.0685	
.200	.0582	
.250	.0519	
.300	.0460	
.350	.0337	.0372
.400	.04[illegible]	********

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

PN/L (5) = 5.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.450	.0414	
.500	.0449	.0495
.550	********	
.600	.0523	.0454
.650	.0600	
.700	********	.0469
.750	.0851	
.800	.0779	.0662
.850	.1002	
.900	.0891	.0762
.950	.0754	
1.000	.0714	.0598
1.040	.0559	

PN/L (6) = 5.500 HAW/HT(1) = .850 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P .0000 117.0000

X/L	.0000	117.0000
.025	.1904	
.050	.1355	
.075	.1234	
.100	.1576	
.125	.0942	
.150	********	
.175	.0745	
.200	.0598	
.250	.0622	
.300	.0548	
.350	.0393	.0453
.400	.0491	********
.450	.0489	
.500	.0579	.0593
.550	********	
.600	.0547	.0554
.650	.0757	
.700	********	.0652
.750	.1064	
.800	.0961	.0857
.850	.1232	
.900	.11[illegible]	.0284
.950	.0[illegible]	
1.000	.[illegible]	.0770

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (6) = 5.500 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000:17.0000

X/L	
1.040	.0674

RN/L (6) = 5.500 HAW/HT(2) = .900 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = [illegible]

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000:17.0000

X/L		
.025	.1591	
.050	.1152	
.075	.1053	
.100	.0921	
.125	.0808	
.150	••••	
.175	.0641	
.200	.0601	
.250	.0536	
.300	.0473	
.350	.0340	.0390
.400	.0424	•••••••••
.450	.0422	
.500	.0464	.0507
.550	•••••••••	
.600	.0557	.0475
.650	.0650	
.700	••••• ••	.0557
.750	.0908	
.800	.0822	.0713
.850	.1048	
.900	.0940	.0738
.950	.0822	
1.000	.0762	.0661
1.040	.0580	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (7) = 6.000 HAW/HT(1) = .850 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1677	
.050	.1409	
.075	.1298	
.100	.1127	
.125	.0986	
.150	********	
.175	.0780	
.200	.0726	
.250	.0547	
.300	.0570	
.350	.0409	.0469
.400	.0505	********
.450	.0497	
.500	.0540	.0611
.550	********	
.600	.0637	.0554
.650	.0744	
.700	********	.0650
.750	.1062	
.800	.0972	.1071
.850	.1250	
.900	.1133	.0963
.950	.1000	
1.000	.0931	.0799
1.040	.0701	

RN/L (7) = 6.000 HAW/HT(2) = .900 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1351	
.050	.1194	
.075	.1096	
.100	.0962	
.125	.0844	
.150	********	
.175	.0670	
.200	.0624	
.250	.0557	
.300	.0491	
.350	.0353	.0403
.400	.0435	********

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (7) = 6.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.450	.0429	
.500	.0465	.0522
.550	....	
.600	.0548	.0474
.650	.0638	
.700	....	.0555
.750	.0904	
.800	.0829	.0900
.850	. 051	
.900	.0965	.0799
.950	.0855	
1.000	.0797	.0684
1.040	.0602	

RN/L (9) = 9.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.2139	
.050	.1496	
.075	.1359	
.100	.1168	
.125	.1048	
.150	....	
.175	.0840	
.200	.0784	
.250	.0689	
.300	.0593	
.350	.0404	.0430
.400	.0532	....
.450	.0545	
.500	.0609	.0647
.550	....	
.600	.0775	.0621
.650	.0905	
.700	....	.0993
.750	.1302	
.800	.1206	.1188
.850	.1596	
.900	.1395	.1170
.950	.1224	
1.000	.1127	.0870

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

RN/L (8) = 8.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	
1.040	.0866

RN/L (8) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PC = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1751	
.050	.1262	
.075	.1152	
.100	.1012	
.125	.0835	
.150	....	
.175	.0721	
.200	.0674	
.250	.0592	
.300	.0511	
.350	.0349	.0421
.400	.0459	....
.450	.0470	
.500	.0524	.0551
.550	....	
.600	.0665	.0522
.650	.0773	
.700	....	.0834
.750	..100	
.800	.1022	.0953
.850	.1341	
.900	.1179	.0955
.950	.1040	
1.000	.0950	.0743
1.040	.0741	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB04)

```
RN/L  ( 9) =   10.000   HAW/HT( 1) =    .850   MACH   =  8.1060    PO     =  2540.6    TO     =  1390.0    HO     =  .14200
 SECTION ( 1)BOTTOM                     DEPENDENT VARIABLE H/HO
B.P.        .0000117.0000

  X/L
    .025    .1984
    .050    .1611
    .075    .1440
    .100    .1248
    .125    .1100
    .150 ••••••••
    .175    .0891
    .200    .0835
    .250    .0705
    .300    .0611
    .350    .0412   .0552
    .400    .0542••••••••
    .450    .0532
    .500    .0560   .1685
    .550 •••• ••
    .600    .0650   .1692
    .650    .0826
    .700 ••••••••   .1722
    .750    .1481
    .800    .1482   .1465
    .850    .1960
    .900    .1647   .1517
    .950    .1396
   1.000    .1249   .0882
   1.040    .0937
RN/L   9) =   10.000   HAW/HT( 2) =    .900   MACH   =  8.1060    PC     =  2540.6    TO     =  1390.0    HO     =  .14200
 SECTION ( ) BOTTOM                     DEPENDENT VARIABLE H/HO
B.P.        .0000117.0000

  X/L
    .025    .1533
    .050    .1340
    .075    .1206
    .100    .1052
    .125    .0929
    .150 ••••••••
    .175    .0756
    .200    .0702
    .250    .0602
    .300    .0523
    .350    .0354   .0470
    .400    .0464••••••••
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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RCLB04)

RN/L (9) = 10.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 17.0000

X/L		
.450	.0455	
.500	.0479	.1250
.550	*********	
.600	.0561	.1257
.650	.0698	
.700	*********	.1295
.750	.1229	
.800	.1234	.1130
.850	.1625	
.900	.1355	.1245
.950	.1168	
1.000	.1049	.0745
1.040	.0792	

DATE 09 JUL 76

OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 WING LOWER SURFACE

(RGLW04) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

DEPENDENT VARIABLE H/HO

SECTION (1)WING

2Y/B	.4000	.6000	.8000
X/C			
.050	.0882		
.100	.0867	.0982	
.200	.0647	.0915	
.300	.0476	.0760	
.400	.0393	.0667	.0752
.500	.0350	.0637	
.600	.0334	.0587	.0592
.700	.0314	.0564	
.800	.0278******	*	.0481
.900	.0218	.0332	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 229.40 TO = 1268.0 HO = .44000-01

DEPENDENT VARIABLE H/HO

SECTION (1)WING

2Y/B	.4000	.6000	.8000
X/C			
.050	.0753		
.100	.0741	.0840	
.200	.0555	.0784	
.300	.0409	.0651	
.400	.0338	.0590	.0647
.500	.0301	.0547	
.600	.0279	.0504	.0510
.700	.0262	.0450	
.800	.0239******	*	.0415
.900	.0[illegible]87	.0276	

CH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW04)

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0865		
.100	.0880	.1066	
.200	.0678	.0977	
.300	.0475	.0823	
.400	.0387	.0747	.0796
.500	.0343	.0702	
.600	.0315	.0659	.0519
.700	.0295	.0595	
.800	.0254******		.0487
.900	.0203	.0545	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0739		
.100	.0753	.0914	
.200	.0584	.0838	
.300	.0410	.0707	
.400	.0334	.0641	.0686
.500	.0296	.0603	
.600	.0273	.0568	.0535
.700	.0247	.0513	
.800	.0221*********		.0422
.900	.0176	.0299	

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0931		
.100	.0962	.1153	
.200	.0731	.1058	
.300	.0525	.0894	
.400	.0439	.0829	.0852
.500	.0398	.0806	
.600	.0387	.0771	.0663
.700	.0373	.0710	
.800	.03[illegible]2********		.0521

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (POLW04)

PN/L (3) = 4.000 HAW/HT(1) = .850

SECTION (1)WING DEPENDENT VARIABLE H/HO

X/C	2Y/B .4000	.6000	.8000
.900	.0289	.0409	

PN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

X/C	2Y/B .4000	.6000	.8000
.050	.0795		
.100	.0824	.0989	
.200	.0631	.0907	
.300	.0455	.0768	
.400	.0381	.0712	.0735
.500	.0345	.0695	
.600	.0336	.0664	.0574
.700	.0314	.0613	
.800	.0297	*******	.0452
.900	.0251	.0355	

PN/L (4) = 4.500 HAW/HT(1) = .850 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .95000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

X/C	2Y/B .4000	.6000	.8000
.050	.0935		
.100	.0979	.1130	
.200	.0737	.1030	
.300	.0523	.0890	
.400	.0429	.0866	.0877
.500	.0380	.0909	
.600	.0360	.0902	.0673
.700	.0333	.0832	
.800	.0301	********	.0524
.900	.0248	.0453	

OHI4 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW04)

RN/L (4) = 4.500 HAW/HT(2) = .900 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .95000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0798		
.100	.0829	.0968	
.200	.0636	.0882	
.300	.0453	.0752	
.400	.0372	.0741	.0756
.500	.0330	.0778	
.600	.0312	.0774	.0583
.700	.0259	.0716	
.800	.0262	*********	.0454
.900	.0216	.0390	

RN/L (5) = 5.000 HAW/HT(1) = .850 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0750		
.100	.0917	.1116	
.200	.0731	.0985	
.300	.0532	.0858	
.400	.0458	.0664	.0930
.500	.0440	.0963	
.600	.0464	.0979	.0694
.700	.0474	.0913	
.800	.0453	*********	.0543
.900	.0405	.0505	

RN/L (5) = 5.000 HAW/HT(2) = .900 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.9000
X/C			
.050	.0632		
.100	.0763	.0953	
.200	.0629	.0839	
.300	.0460	.0729	
.400	.0396	.0732	.0799
.500	.0381	.0817	
.600	.0401	.0833	.0598
.700	.0410	.0780	
.800	.0338	*********	.0469

OH14 B22C7T5M4V7W111 WING LOWER SURFACE (RCLW04)

PN/L (5) = 5.000 HAW/HT(2) = .900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0351	.0436	

PN/L (6) = 5.500 HAW/HT(1) = .850 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0836		
.100	.0948	.1188	
.200	.0766	.1180	
.300	.0564	.1291	
.400	.0489	.1087	.1033
.500	.0475	.1460	
.600	.0506	.1329	.0810
.700	[illegible]	[illegible]	
.800	.0430********		.0589
.900	.0434	.0528	

PN/L (6) = 5.500 HAW/HT(2) = .900 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0759		
.100	.0805	.1008	
.200	.0556	.0995	
.300	.0485	.1069	
.400	.042	.0828	.0892
.500	.0409	.1221	
.600	.0435	.1119	.0693
.700	.0439	.1011	
.800	.0421*********		.0590
.900	.0375	.0539	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW04)

RN/L (7) = 6.000 HAW/HT(1) = .850 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0907		
.100	.0966	.1234	
.200	.0779	.1261	
.300	.0558	.1069	
.400	.0470	.1205	.1098
.500	.0442	.1318	
.600	.0469	.1557	.0922
.700	.0475	.1428	
.800	.0458	********	.0839
.900	.0423	.0774	

RN/L (7) = 6.000 HAW/HT(2) = .900 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0766		
.100	.0818	.1044	
.200	.0565	.1056	
.300	.0479	.0868	
.400	.0404	.0972	.0935
.500	.0380	.1067	
.600	.0403	.1300	.0787
.700	.0408	.1198	
.800	.0394	********	.0715
.900	.0365	.0661	

RN/L (8) = 6.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0959		
.100	.1041	.1378	
.200	.0845	.1323	
.300	.0648	.1390	
.400	.0577	.1459	.1254
.500	.0578	.1555	
.600	.0677	.1819	.1214
.700	.0743	.1735	
.800	.0757	********	.1234

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW04)

PN/L (8) = 8.000 HAW/HT(1) = .850

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0745	.0971	

PN/L (8) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0806		
.100	.0877	.1155	
.200	.0719	.1263	
.300	.0555	.1097	
.400	.0434	.1143	.1058
.500	.0495	.1223	
.600	.0577	.1432	.1024
.700	.0531	.1429	
.800	.0552	••••••••	.1037
.900	.0535	.0922	

PN/L (9) = 10.000 HAW/HT(1) = .850 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.1580		
.100	.2175	.2522	
.200	.2230	.2514	
.300	.2134	.2304	
.400	.1822	.2144	.2400
.500	.1737	.1995	
.600	.1651	.1901	.2197
.700	.1731	.1940	
.800	.1516	••••••••	.1693
.900	.1129	.1076	

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OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW04)

RN/L (9) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.1190		
.100	.1593	.1982	
.200	.1658	.1815	
.300	.1695	.1685	
.400	.1375	.1575	.1783
.500	.1314	.1484	
.600	.1491	.1438	.1759
.700	.1395	.1555	
.800	.1240	********	.1386
.900	.0939	.0894	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQL504) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
P.								
375.000		.0128	.0108		.0063	.0039	.0013	
400.000				.0142				
425.000		.0085	.0155		.0135	.0077	.0021	
465.000								.0022
500.000	.0089	.0018	.0023		.0031	.0020	.0019	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
P.								
375.000		.0110	.0093		.0054	.0033	.0011	
400.000				.0122				
425.000		.0074	.0134		.0116	.0066	.0018	
465.000								.0019
500.000	.0077	.0015	.0020		.0027	.0017	.0017	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
P.								
375.000		.0138	.0143		.0058	.0022	.0024	
400.000				.0184				
425.000		.0087	.0181		.0159	.0093	.0022	
465.000								.0014
500.000	.0191	.0019	.0027		.0020	.0029	.0031	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS04)

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0120	.0124		.0051	.0019	.0021	
400.000				.0160				
425.000		.0076	.0157		.0139	.0081	.0019	
465.000								.0012
501.000	.0087	.0016	.0023		.0018	.0025	.0027	

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0147	.0156		.0066	.0024	.0027	
400.000				.0198				
425.000		.0092	.0188		.0175	.0113	.0031	
465.000								.0023
501.000	.0113	.0020	.0029		.0030	.0034	.0038	

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0128	.0137		.0058	.0021	.0023	
400.000				.0173				
425.000		.0080	.0164		.0153	.0099	.0027	
465.000								.0021
501.000	.0099	.0018	.0025		.0026	.0030	.0034	

RN/L (4) = 4.500 HAW/HT(1) = .850 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0150	.0160		.0070	.0032	.0020	
400.000				.0203				
425.000		.0093	.0193		.0185	.0116	.0026	
465.000								.0024
501.000	.0161	.0017	.0036		.0029	.0034	.0038	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS04)

RN/L (4) = 4.500 HAW/HT(2) = .900 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0131	.0140		.0062	.0028	.0017	
400.000				.0178				
425.000		.0081	.0168		.0162	.0102	.0027	
465.000								.0021
501.000	.0141	.0015	.0031		.0026	.0030	.0033	

RN/L (5) = 5.000 HAW/HT(1) = .850 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0137	.0154		.0070	.0026	.0019	
400.000				.0190				
425.000		.0089	.0175		.0169	.0120	.0028	
465.000								.0024
501.000	.0118	.0019	.0041		.0028	.0033	.0035	

RN/L (5) = 5.000 HAW/HT(2) = .900 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0120	.0134		.0061	.0023	.0017	
400.000				.0155				
425.000		.0078	.0153		.0147	.0105	.0024	
465.000								.0021
501.000	.0103	.0017	.0036		.0025	.0029	.0030	

RN/L (6) = 5.500 HAW/HT(1) = .850 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0141	.0159		.0072	.0032	.0019	
400.000				.0198				
425.000		.0090	.0182		.0175	.0130	.0022	
465.000								.0022
501.000	.0165	.0020	.0045		.0032	.0039	.0033	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS04)

PN/L (6) = 5.500 HAW/HT(2) = .900 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0123	.0139		.0063	.0028	.0017	
400.000				.0172				
425.000		.0078	.0159		.0153	.0113	.0020	
465.000								.0019
501.000	.0144	.0018	.0039		.0028	.0034	.0029	

PN/L (7) = 6.000 HAW/HT(1) = .850 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0153	.0172		.0078	.0031	.0020	
400.000				.0206				
425.000		.0091	.0191		.0187	.0140	.0031	
465.000								.0028
501.000	.0127	.0022	.0051		.0040	.0025	.0024	

PN/L (7) = 6.000 HAW/HT(2) = .900 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0133	.0150		.0058	.0027	.0017	
400.000				.0180				
425.000		.0079	.0166		.0163	.0122	.0027	
465.000								.0024
501.000	.0110	.0020	.0044		.0035	.0022	.0021	

PN/L (9) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0158	.0177		.0088	.0039	.0024	
400.000				.0218				
425.000		.0099	.0191		.0210	.0173	.0044	
465.000								.0043
501.000	.0143	.0025	.0060		.0041	.0022	.0026	

DATE 09 JUL 76

CH14 TABULATED SOURCE DATA

CH14 B22CTF5M4V7W111 FUSELAGE UPPER SURFACE (RQLS04)

RN/L (8) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0138	.0155		.0077	.0034	.0021	
400.000				.0191				
425.000		.0085	.0167		.0183	.0151	.0038	
465.000								.0038
500.000	.0124	.0022	.0052		.0036	.0019	.0023	

RN/L (9) = 10.000 HAW/HT(1) = .950 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0160	.0192		.0106	.0053	.0028	
400.000				.0230				
425.000		.0105	.0192		.0217	.0247	.0072	
465.000								.0047
500.000	.0221	.0033	.0065		.0050	.0030	.0018	

RN/L (9) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0139	.0157		.0032	.0046	.0024	
400.000				.0139				
425.000		.0031	.0168		.0189	.0215	.0063	
465.000								.0041
500.000	.0191	.0029	.0057		.0044	.0018	.0016	

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (ROLM04) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1114
.150	.0951
.200	.0674

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.0951
.150	.0813
.200	.0578

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1184
.150	.1011
.200	.0721

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1013
.150	.0867
.200	.0621

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM04)

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)CHINE DEPENDENT VARIABLE H HO

ANGLE 30.0000

X/L	
.100	.1244
.150	.1065
.200	.0745

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1067
.150	.0914
.200	.0644

RN/L (4) = 4.500 HAW/HT(1) = .850 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1264
.150	.1097
.200	.0765

RN/L (4) = 4.500 HAW/HT(2) = .900 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1101
.150	.0943
.200	.0661

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OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM04)

RN/L (5) = 5.000 HAW/HT(1) = .850 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1195
.150	.1032
.200	.0714

RN/L (5) = 5.000 HAW/HT(2) = .900 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1024
.150	.0886
.200	.0616

RN/L (6) = 5.500 HAW/HT(1) = .850 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1240
.150	.1073
.200	.0743

RN/L (6) = 5.500 HAW/HT(2) = .900 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1057
.150	.0918
.200	.0638

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM04)

PN/L (7) = 6.000 HAW/HT(1) = .850 MACH = 8.0450 PO = 1482.3 TO = 1385.8 HO = .11000

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1296
.150	.1125
.200	.0776

PN/L (7) = 6.000 HAW/HT(2) = .900 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1102
.150	.0950
.200	.0666

PN/L (8) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1363
.150	.1179
.200	.0833

PN/L (8) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1154
.150	.1003
.200	.0714

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM04)

RN/L (9) = 10.000 HAW/HT(1) = .850 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1441
.150	.1246
.200	.0874

RN/L (9) = 10.000 HAW/HT(2) = .900 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1205
.150	.1048
.200	.0742

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05) (21 JUN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1775	
.050	.1287	
.075	.1181	
.100	.1043	
.125	.0921	
.150	********	
.175	.0760	
.200	.0721	
.250	.0646	
.300	.0571	
.350	.0449	.0460
.400	.0526	********
.450	.0497	
.500	.0499	.0575
.550	********	
.600	.0449	.0475
.650	.0431	
.700	********	.0383
.750	.0407	
.800	.0321	.0339
.850	.0356	
.900	.0326	.0307
.950	.0281	
1.000	.0233	.0303
1.040	.0174	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P.	.0000	117.0000
X/L		
.025	.1433	
.050	.1028	
.075	.1000	
.100	.0881	
.125	.0781	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

RN/L (1) = 1.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.150	********	
.175	.0645	
.200	.0612	
.250	.0549	
.300	.0486	
.350	.0382	.0391
.400	.0447	********
.450	.0423	
.500	.0425	.0488
.550	********	
.600	.0383	.0404
.650	.0367	
.700	********	.0326
.750	.0347	
.800	.0274	.0289
.850	.0312	
.900	.0278	.0261
.950	.0240	
1.000	.0199	.0258
1.040	.0149	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1905	
.050	.1397	
.075	.1282	
.100	.1128	
.125	.1005	
.150	********	
.175	.0823	
.200	.0775	
.250	.0694	
.300	.0514	
.350	.0456	.0486
.400	.0559	********
.450	.0528	
.500	.0520	.0577
.550	********	
.600	.0447	.0479
.650	.0438	

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

RN/L (2) = 3.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.700	....	.0330
.750	.0424	
.800	.0329	.0345
.850	.0403	
.900	.0357	.03 9
.950	.0306	
1.000	.0265	.0323
1.040	.0213	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = [illegible]

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1533	
.050	.1175	
.075	.1082	
.100	.0954	
.125	.0851	
.150	....	
.175	.0593	
.200	.0658	
.250	.0590	
.300	.0523	
.350	.0397	.04.3
.400	.0476	....
.450	.0450	
.500	.0443	.0489
.550	....	
.600	.0381	.0407
.650	.0374	
.700	....	.0332
.750	.0352	
.800	.0262	.0294
.850	.0344	
.900	.0305	.0273
.950	[illegible]	
1.000	[illegible]	.0275
1.040	.0182	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

PN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = 92000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1651	
.050	.1240	
.075	.1137	
.100	.1006	
.125	.0897	
.150	....	
.175	.0734	
.200	.0687	
.250	.0607	
.300	.0545	
.350	.0417	.0423
.400	.0491	....
.450	.0474	
.500	.0474	.0498
.550	....	
.600	.0423	.0408
.650	.0439	
.700	....	.0356
.750	.0514	
.800	.0455	.0372
.850	.0581	
.900	.0549	.0407
.950	.0509	
1.000	.0503	.0393
1.040	.0419	

PN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L		
.025	.1376	
.050	.1046	
.075	.0962	
.100	.0853	
.125	.0761	
.150	....	
.175	.0624	
.200	.0565	
.250	.0518	
.300	.0465	
.350	.0357	.0361
.400	.0419	....

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (ROLB05)

PN/L (3) = 4.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000:17.0000

X/L		
.450	.0405	
.500	.0404	.0422
.550	....	
.600	.0351	.0347
.650	.0375	
.700	....	.0303
.750	.0459	
.800	.0389	.0317
.850	.0495	
.900	.0469	.0347
.950	.0435	
1.000	.0430	.0336
[illegible]	.0359	

PN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000:17.0000

.025	.1688	
.050	.1277	
.075	.1191	
.100	.1049	
.125	.0934	
.150	....	
.175	.0755	
.200	.0713	
.250	.0628	
.300	.0557	
.350	.0433	.0427
.400	.0504	....
.450	.0494	
.500	.0507	.0523
.550	....	
.600	.0510	.0454
.650	.0560	
.700	....	.0469
.750	.0797	
.800	.0735	.0585
.850	.0941	
.900	.0865	.0519
.950	.0778	
1.000	.0790	.0556

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

RN/L (4) = 5.000 HAW/HT(1) = .850

DEPENDENT VARIABLE H/HO

SECTION (1)BOTTOM

B.P. .0000117.0000

X/L	
1.040	.0661

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

DEPENDENT VARIABLE H/HO

SECTION (1)BOTTOM

B.P. .0000117.0000

X/L		
.025	.1396	
.050	.1071	
.075	.1003	
.100	.0895	
.125	.0789	
.150	********	
.175	.0649	
.200	.0605	
.250	.0534	
.300	.0474	
.350	.0359	.0363
.400	.0429	********
.450	.0421	
.500	.0432	.0442
.550	********	
.600	.0434	.0385
.650	.0493	
.700	********	.0397
.750	.0575	
.800	.0624	.0494
.850	.0795	
.900	.0731	.0549
.950	.0678	
1.000	.0671	.0473
1.040	.0562	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQL805)

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1852	
.050	.1366	
.075	.1273	
.100	.1131	
.125	.1006	
.150	....	
.175	.0829	
.200	.0775	
.250	.0677	
.300	.0535	
.350	.0446	.0458
.400	.0542	....
.450	.0573	
.500	.0562	.0568
.550	....	
.600	.0624	.0505
.650	.0752	
.700	....	.0578
.750	.1110	
.800	.1031	.0559
.850	.1277	
.900	.1168	.0732
.950	.1071	
1.000	.1044	.0721
1.040	.0554	

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1519	
.050	.1140	
.075	.1066	
.100	.0951	
.125	.0845	
.150	....	
.175	[illegible]	
.200	.0665	
.250	.0574	
.300	.0505	
.350	.0379	.0399
.400	.0450	....

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

RN/L (5) = 6.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.450	.0452	
.500	.0476	.0477
.550	********	
.600	.0528	.0426
.650	.0640	
.700	********	.0485
.750	.0930	
.800	.0966	.0545
.850	.1057	
.900	.0979	.0606
.950	.0901	
1.000	.0879	.0610
1.040	.0721	

RN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1989	
.050	.1450	
.075	.1342	
.100	.1188	
.125	.1065	
.150	********	
.175	.0888	
.200	.0829	
.250	.0720	
.300	.0639	
.350	.0404	.0479
.400	.0538	********
.450	.0625	
.500	.0717	.0594
.550	********	
.600	.0994	.0649
.650	.1253	
.700	********	.0922
.750	.1785	
.800	.1480	.1263
.850	.1815	
.900	.1549	.1297
.950	.1382	
1.000	.1318	.0921

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CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQL805)

RN/L (6) = 8.000 HAW/HT(1) = .850

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000117.0000

X/L	
1.040	.1053

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P .0000117.0000

X/L		
.025	.1608	
.050	[illegible]	
.075	[illegible]	
.100	.0991	
.125	.0889	
[illegible]	....	
[illegible]	.0745	
.200	[illegible]	
[illegible]	[illegible]	
.300	.0579	
.350	.0343	.0403
.400	[illegible]	
.450	[illegible]	
.500	.0603	.0494
.550	....	
.600	.0829	.0540
.650	.1038	
[illegible]	....	.0760
[illegible]	.1459	
.800	.1281	.1026
[illegible]	.1464	
.900	.1277	.1064
[illegible]	.1147	
1.000	.1096	.0770
1.040	.0892	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

RN/L (7) = 10.000 HAW/HT(1) = .850 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1830	
.050	.1539	
.075	.1430	
.100	.1266	
.125	.1138	
.150	....	
.175	.0926	
.200	.0857	
.250	.0744	
.300	.0664	
.350	.0352	.0478
.400	.0551	....
.450	.0735	
.500	.0941	.0756
.550	....	
.600	.1521	.1101
.650	.1839	
.700	....	.1599
.750	.2275	
.800	.1697	.1506
.850	.2118	
.900	.1755	.1571
.950	.1549	
1.000	.1474	.0989
1.040	.1131	

RN/L (7) = 10.000 HAW/HT(2) = .900 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	.1393	
.050	.1255	
.075	.1173	
.100	.1045	
.125	.0941	
.150	....	
.175	.0771	
.200	.0714	
.250	.0622	
.300	.0556	
.350	.0298	.0400
.400	.0545	....

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (RQLB05)

RN/L (7) = 10.000 HAW/HT(2) = .900

SECTION (1)BOTTOM DEPENDENT VARIABLE H/HO

B P. 0000117.0000

X/L		
.450	.0613	
.500	.0781	.0620
.550	....	
.600	.1242	.0846
.650	.1486	
[illegible]	....	[illegible]
.750	[illegible]	
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	
[illegible]	[illegible]	.1256
[illegible]	[illegible]	
[illegible]	[illegible]	.0816
[illegible]	[illegible]	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW05) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0300 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0050

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0856		
.100	.0851	.0973	
.200	.0642	.0891	
.300	.0495	.0734	
.400	.0403	.0551	.0791
.500	.0357	.0598	
.600	.0337	.0556	.0622
.700	.0312	.0512	
.800	.0290	********	.0492
.900	.0239	.0320	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0724		
.100	.0721	.0824	
.200	.0545	.0755	
.300	.0412	.0623	
.400	.0343	.0553	.0672
.500	.0304	.0508	
.600	.0287	.0473	.0529
.700	.0266	.0435	
.800	.0247	********	.0419
.900	.0196	.0273	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (ROLW05)

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0863		
.100	.0979	.1042	
.200	.0671	.0931	
.300	.0499	.0747	
.400	.0406	.0650	.0839
.500	.0362	.0623	
.600	.0335	.0597	.0631
.700	.0303	.0555	
.800	.0273	•••••••	.0464
.900	.0323	.0334	

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1) WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0729		
.100	.0742	.0880	
.200	.0563	.0787	
.300	.0425	.0633	
.400	.0345	.0560	.0715
.500	.0308	.0528	
.600	.0285	.0507	.0538
.700	.0259	.0476	
.800	.0228	•••••••	.0414
.900	.0191	.0286	

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0730		
.100	.0770	.1011	
.200	.0587	.0886	
.300	.0436	.0707	
.400	.0359	.0632	.0823
.500	.0335	.0602	
.600	.0340	.0582	.0605
.700	.0331	.0541	
.800	.0323	•••••••	.0477

ORIGINAL PAGE IS
OF POOR QUALITY

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW05)

RN/L (3) = 4.000 HAW/HT(1) = .850

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0264	.0345	

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0617		
.100	.0651	.0854	
.200	.0499	.0749	
.300	.0372	.0599	
.400	.0307	.0535	.0700
.500	.0286	.0510	
.600	.0291	.0494	.0515
.700	.0282	.0460	
.800	.0276********		.0407
.900	.0226	.0295	

RN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0758		
.100	.0817	.1078	
.200	.0640	.0954	
.300	.0495	.0796	
.400	.0431	.0738	.0854
.500	.0426	.0716	
.600	.0466	.0700	.0644
.700	.0485	.0663	
.800	.0482********		.0529
.900	.0418	.0429	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW05)

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0637		
.100	.0687	.0904	
.200	.0542	.0801	
.300	.0420	.0570	
.400	.0366	.0621	.0722
.500	.0362	.0603	
.600	.0395	.0531	.0546
.700	.0411	.0551	
.800	.0410••••••••		.0450
.900	.0355	.0355	

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0654		
.100	.0956	.1181	
.200	.0698	.1139	
.300	.0551	.1174	
.400	.0511••••••••		.0879
.500	.0528••••••••		
.600	.0612	.1351	.0782
.700	.0658	.1288	
.800	.0663	.0980	0769
.900	.0573	.0755	

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.5000	.8000
X/C			
.050	.0540		
.100	.0715	.0983	
.200	.0597	.0947	
.300	0473	.0972	
.400	.0431••••••••		.0738
.500	.0446••••••••		
600	.0515	1116	.0658
.700	.0553	.1067	
.800	.0558	.0819	.0649

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW05)

RN/L (5) = 6.000 HAW/HT(2) = .900

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.900	.0485	.0637	

RN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12600

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0835		
.100	.0953	.1611	
.200	.0835	.1750	
.300	.0746	.1675	
.400	.0746	.1660	.1370
.500	.0820	.1622	
.600	.0973	.1577	.1710
.700	.1036	.1517	
.800	.1016	.1246	.1704
.900	.0875	.0975	

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0690		
.100	.0787	.1312	
.200	.0695	.1338	
.300	.0622	.1270	
.400	.0620	.1256	.1083
.500	.0580	.1239	
.600	.0803	.1219	.1327
.700	.0852	.1181	
.800	.0840	.1023	.1384
.900	.0727	.0807	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (RQLW05)

RN/L (1/FT) = 10.000 HAW/HT(1) = .850 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0984		
.100	.1215	.1816	
.200	.1240	.1979	
.300	.1330	.1980	
.400	.1497	.1986	.2071
.500	.1538	.1971	
.600	.1802	.1970	.1866
.700	.1758	.1859	
.800	.1535	.1755	.1809
.900	.1236	.1235	

RN/L (1/FT) = 10.000 HAW/HT(2) = .900 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)WING DEPENDENT VARIABLE H/HO

2Y/B	.4000	.6000	.8000
X/C			
.050	.0800		
.100	.0985	.1371	
.200	.1012	.1421	
.300	.1080	.1411	
.400	.1199	.1410	.1629
.500	.1201	.1410	
.600	.1413	.1430	.1397
.700	.1380	.1368	
.800	.1271	.1391	.1440
.900	.1002	.0998	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (ROLS05) (2 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0122	.0086		.0045	.0020********		
400.000				.0116				
425.000		.0095	.0136		.0109	.0054	.0016	
465.000								.0015
501.000	.0109	.0023	.0021		.0013	.0021	.0019	

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0104	.0074		.0038	.0017********		
400.000				.0099				
425.000		.0073	.0117		.0093	.0047	.0014	
465.000								.0013
501.000	.0093	.0019	.0018		.0011	.0018	.0017	

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0138	.0114		.0048	.0016	.0015	
400.000				.0152				
425.000		.0088	.0171		.0142	.0048	.0029	
465.000								.0019
501.000	.0167	.0020	.0033		.0019	.0016	.0033	

DATE 09 JUL 76

OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RCLS05)

PN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0119	.0098		.0041	.0014	.0013	
400.000				.0130				
425.000		.0076	.0147		.0122	.0041	.0025	.0017
465.000								
500.000	.0143	.0017	.0028		.0016	.0014	.0029	

PN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0124	.0106		.0038	.0011	.0014	
400.000				.0143				
425.000		.0078	.0154		.0141	.0047	.0020	.0017
465.000								
500.000	.0120	.0013	.0035		.0021	.0019	.0029	

PN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0107	.0092		.0033	.0010	.0012	
400.000				.0123				
425.000		.0067	.0132		.0121	.0041	.0017	.0014
465.000								
500.000	.0103	.0011	.0030		.0019	.0017	.0026	

PN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0130	.0117		.0048	.0017	.0018	
400.000				.0154				
425.000		.0031	.0158		.0155	.0066	.0024	.0016
465.000								
500.000	.0172	.0022	.0038		.0022	.0025	.0034	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS05)

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0112	.0101		.0041	.0014	.0015	
400.000				.0133				
425.000		.0070	.0136		.0134	.0057	.0021	
465.000								.0014
501.000	.0148	.0017	.0033		.0019	.0021	.0029	

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0141	.0130		.0052	.0019	.0015	
400.000				.0169				
425.000		.0086	.0166		.0171	.0076	.0022	
465.000								.0021
501.000	.0196	.0016	.0035		.0024	.0027	.0034	

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0121	.0112		.0045	.0016	.0013	
400.000				.0145				
425.000		.0074	.0142		.0147	.0065	.0019	
465.000								.0018
501.000	.0168	.0014	.0030		.0021	.0024	.0029	

RN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0143	.0141		.0049	.0025	.0024	
400.000				.0181				
425.000		.0090	.0170		.0193	.0079	.0029	
465.000								.0024
501.000	.0230	.0014	.0011		.0012	.0022	.0069	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (RQLS05)

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0123	.0122		.0042	.0022	.0021	
400.000				.0155				
425.000		.0077	.0146		.0166	.0068	.0025	
465.000								.0021
501.000	.0197	.0012	.0009		.0010	.0019	.0060	

RN/L (7) = 10.000 HAW/HT(1) = .850 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0149	.0148		.0073	.0034	.0026	
400.000				.0192				
425.000		.0094	.0176		.0222	.0120	.0030	
465.000								.0020
501.000	.0187	.0017	.0019		.0016	.0021	.0028	

RN/L (7) = 10.000 HAW/HT(2) = .900 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)TOP DEPENDENT VARIABLE H/HO

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.0127	.0127		.0063	.0030	.0022	
400.000				.0154				
425.000		.0090	.0151		.0189	.0103	.0026	
465.000								.0017
501.000	.0159	.0015	.0016		.0014	.0019	.0024	

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OF POOR QUALITY

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM05) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 HAW/HT(1) = .850 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1091
.150	.0955
.200	.0706

RN/L (1) = 1.000 HAW/HT(2) = .900 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.0924
.150	.0810
.200	.0599

RN/L (2) = 3.000 HAW/HT(1) = .850 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1197
.150	.1067
.200	.0772

RN/L (2) = 3.000 HAW/HT(2) = .900 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1011
.150	.0902
.200	.0655

OH14 B22C7F5M4V7W1 1 ORBITER FUSELAGE CHINE (RQLM05)

RN/L (3) = 4.000 HAW/HT(1) = .850 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

Y/L	
.100	.1058
.150	.0954
.200	.0683

RN/L (3) = 4.000 HAW/HT(2) = .900 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

Y/L	
.100	.0905
.150	.0619
.200	.0482

RN/L (4) = 5.000 HAW/HT(1) = .850 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

Y/L	
.100	.1116
.150	.1003
.200	.0711

RN/L (4) = 5.000 HAW/HT(2) = .900 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

Y/L	
.100	.0941
.150	.0647
.200	.0603

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (ROLM05)

RN/L (5) = 6.000 HAW/HT(1) = .850 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1200
.150	.1085
.200	.0771

RN/L (5) = 6.000 HAW/HT(2) = .900 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1007
.150	.0912
.200	.0652

RN/L (6) = 8.000 HAW/HT(1) = .850 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

Y/L	
.100	.1262
.150	.1146
.200	.0822

RN/L (6) = 8.000 HAW/HT(2) = .900 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

Y/L	
.100	.1051
.150	.0957
.200	.0691

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (RQLM05)

RN/L (1/FT) = 10.000 HAW/HT(1) = .850 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1334
.150	.1208
.200	.0947

RN/L (1/FT) = 10.000 HAW/HT(2) = .900 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)CHINE DEPENDENT VARIABLE H/HO

ANGLE 30.0000

X/L	
.100	.1099
.150	.0988
.200	.0765

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB02) (21 JUN 76)

REFERENCE DATA				PARAMETRIC DATA			
SREF =	2690.0000 SQ.FT.	XMRP =	.0000 IN.	ALPHA =	0.000	BETA =	.000
LREF =	1290.3000 IN.	YMRP =	.0000	MACH =	8.000		
BREF =	1290.3000 IN.	ZMRP =	.0000				
SCALE =	.0060						

RN/L (1) = 1.000 MACH (1) = 7.812 MACH = 7.8120 PO = 236.51 TO = 1294.4 HO = .46000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P.	.0000	117.0000
X/L		
.025	3.9336	
.050	2.5792	
.075	2.1492	
.100	1.8228	
.125	1.5611	
.150	********	
.175	1.2098	
.200	1.1251	
.250	.9673	
.300	.9683	
.350	.6910	.9161
.400	.7950	********
.450	.7562	
.500	.7484	1.1764
.550	********	
.600	.5915	1.0184
.650	.5425	
.700	********	.8509
.750	.5048	
.800	.4251	.7454
.850	.4725	
.900	.3988	.6131
.950	.3417	
1.000	.2616	.5083
1.040	.2120	

RN/L (2) = 3.000 MACH (1) = 7.955 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P.	.0000	117.0000
X/L		
.025	7.4309	
.050	5.0283	
.075	4.2589	
.100	3.6564	
.125	3.1568	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB02)

RN/L (2) = 3.000 MACH (1) = 7.955

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.150	********	
.175	2.4005	
.200	2.2098	
.250	1.8859	
.300	1.5463	
.350	1.2597	1.8829
.400	1.4104	********
.450	1.3355	
.500	1.3682	2.3459
.550	********	
.600	1.1521	2.0108
.650	********	
.700	********	1.7418
.750	.8715	
.800	.8853	1.6285
.850	.8208	
.900	.7575	1.3279
.950	.6505	
1.000	.5514	1.0818
1.040	.4203	

RN/L (3) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.025	10.4559	
.050	7.3918	
.075	6.3589	
.100	5.4425	
.125	4.7241	
.150	********	
.175	3.[illegible]	
.200	3.[illegible]	
.250	2.8[illegible]	
.300	2.[illegible]	
.350	[illegible]	2.7591
.400	2.[illegible]	******
.450	1.6607	
.500	1.9017	3.3575
.550	********	
.600	1.8172	2.8108
.650	********	

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB02)

RN/L (3) = 6.000 MACH (1) = 8.044

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 117.0000

X/L	.0000	117.0000
.700	********	2.4831
.750	1.5759	
.800	1.4182	2.3396
.850	1.9360	
.900	1.9191	2.0406
.950	1.8245	
1.000	1.7188	1.7099
1.040	1.3969	

RN/L (4) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	11.7820	
.050	8.4077	
.075	7.3505	
.100	6.3663	
.125	5.5074	
.150	********	
.175	4.1990	
.200	3.8749	
.250	3.3301	
.300	2.8746	
.350	2.2298	3.1925
.400	2.3953	********
.450	2.1825	
.500	2.2936	3.8878
.550	********	
.600	2.0021	3.3777
.650	********	
.700	********	3.2614
.750	2.0284	
.800	2.2629	3.5556
.850	3.6533	
.900	3.9389	3.5241
.950	3.8261	
1.000	3.8040	3.4927
1.040	2.9699	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QQLW02) (2. JUN 75

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
MACH = 8.000

PNVL (1) = 1.000 MACH (1) = 7.812 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .6000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	2.0936		
.100	2.0243	1.8003	
.200	1.4459	1.5977	
.300	1.0283	1.2890	
.400	.8649	1.1595	1.3070
.500	.7623	1.1121	
.600	.7153	1.0562	.9529
.700	.6331	.9479	
.800	.6654********		.7581
.900	.4301	.5551	

PNVL (2) = 3.000 MACH (1) = 7.955 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .3000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	3.9915		
.100	4.0629	3.8003	
.200	2.9649	3.3109	
.300	2.0869	2.7406	
.400	1.7121	2.4976	2.8594
.500	1.5053	2.3933	
.600	1.4003	2.2595	2.3287
.700	1.2537	2.0236	
.800	1.0726********		1.8812
.900	.7715	1.1828	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QCLWC2)

RN/L (3) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	5.7673		
.100	6.0076	5.8815	
.200	4.5601	5.3079	
.300	3.2188	4.7521	
.400	2.7177	3.9104	6.1030
.500	2.4715	6.0196	
.600	2.2074	6.1381	6.0935
.700	2.0101	5.9305	
.800	1.7624	********	5.3807
.900	1.2324	3.6845	

RN/L (4) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	7.1213		
.100	6.7107	7.0522	
.200	5.4082	6.7546	
.300	4.1687	7.1278	
.400	3.7343	5.9132	7.7322
.500	3.5628	6.4913	
.600	3.0894	8.7645	7.6131
.700	2.9424	8.2064	
.800	2.6975	********	6.5329
.900	1.9285	5.0241	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (OOL502) (21 JUN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 20.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.812 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
YP								
375.000		.3111	.4424		.3345	.2217	.0862	
400.000				.4768				
425.000		.2039	.3260		.4715	.4931	.2956	
465.000								.3214
500.000	.3793	.0683	.0939		.1151	.1309	.0979	

RN/L (2) = 3.000 MACH (1) = 7.955 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
YP								
375.000		.6441	1.1412		.9171	.5858	.1320	
400.000				1.0864				
425.000		.4029	.6455		1.0053	1.2841	.8119	
465.000								1.1789
500.000	.9261	.1156	.2370		.3440	.3386	.2363	

RN/L (3) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
YP								
375.000		1.0586	1.9744		1.6607	1.2560	.5505	
400.000				1.7418				
425.000		.6269	1.0031		1.5166	2.0204	1.6000	
465.000								2.3938
500.000	1.7403	.1876	.4158		.4579	.3935	.3521	

DATE 09 JUL 76 OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QQLS02)

RN/L (4) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.2392	2.4752		2.1172	1.5669	.6942	
400.000				2.0641				
425.000		.7427	1.1542		1.7422	2.3475	1.9550	
465.000								2.8440
501.000	2.3464	.2504	.6104		.7200	.7247	.4147	

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (OOLM02) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.	XMRP = .0000 IN.		
LREF = 1290.3000 IN.	YMRP = .0000		
BREF = 1290.3000 IN.	ZMRP = .0000		
SCALE = .0050			

PARAMETRIC DATA

ALPHA = 20.000	BETA = .000
MACH = 8.000	

RN/L (1) = 1.000 MACH (1) = 7.812 MACH = 7.8120 PO = 238.51 TO = 1294.4 HO = .46000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	2.5788
.150	2.0444
.200	1.3236

RN/L (2) = 3.000 MACH (1) = 7.955 MACH = 7.9550 PO = 700.49 TO = 1388.8 HO = .79000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	5.0006
.150	4.0906
.200	2.7489

RN/L (3) = 5.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1433.1 HO = .11100

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	7.2562
.150	6.2160
.200	4.1162

RN/L (4) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2027.9 TO = 1427.2 HO = .12900

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	9.2733
.150	7.[illegible]93
.200	[illegible]

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QOLB03) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.803 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	3.5889	
.050	2.4188	
.075	2.1298	
.100	1.9454	
.125	1.6322	
.150	********	
.175	1.3156	
.200	1.2228	
.250	1.0659	
.300	.9627	
.350	.7597	.9091
.400	.8744	********
.450	.8259	
.500	.8213	1.1392
.550	********	
.600	.7210	.9503
.650	.7194	
.700	********	.7934
.750	.6800	
.800	.5495	.6813
.850	.5979	
.900	.4717	.5913
.950	.4462	
1.000	.3740	.4110
1.040	.2729	

RN/L (2) = 3.000 MACH (1) = 7.959 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L	
.025	7.2951
.050	5.2494
.075	4.6351
.100	4.0436
.125	3.5549

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB03)

PNL (2) = 3.000 MACH (1) = 7.959

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 [illegible] 7.0000

X/L		
.150	********	
.175	2.8270	
.200	2.5499	
.250	2.3530	
.300	2.0881	
.350	1.6703	1.9551
[illegible]	1.5886	********
[illegible]	[illegible]	
[illegible]	[illegible]	2.4554
[illegible]	**	
[illegible]	[illegible]	2.0626
[illegible]	[illegible]	
[illegible]	**	1.8274
[illegible]	[illegible]	
[illegible]	[illegible]	2.4984
[illegible]	[illegible]	
[illegible]	[illegible]	2.6271
[illegible]	[illegible]	
[illegible]	[illegible]	2.3709
[illegible]	[illegible]	

PNL (3) = 4.000 MACH (1) = 7.995 MACH = 7.9950 PO = 977.05 TO = 1435.5 HO = [illegible]

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 [illegible] 7.0000

X/L		
.025	7.0399	
.050	6.7830	
.075	[illegible]	
.100	5.2021	
[illegible]	[illegible]	
[illegible]	********	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	2.0802
[illegible]	[illegible]	********
[illegible]	[illegible]	
[illegible]	[illegible]	3.0845
[illegible]	******	
[illegible]	[illegible]	2.6813
[illegible]	[illegible]	

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QOLB03)

RN/L (3) = 4.000 MACH (1) = 7.996

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P.	.0000	117.0000
X/L		
.700	********	2.5141
.750	2.0549	
.800	1.7719	3.4996
.850	2.1585	
.900	1.9504	3.8431
.950	1.7165	
1.000	1.5611	3.2419
1.040	1.3543	

RN/L (4) = 5.000 MACH (1) = 8.022 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P.	.0000	117.0000
X/L		
.025	9.6493	
.050	7.2425	
.075	6.4219	
.100	5.5609	
.125	4.8581	
.150	********	
.175	3.9183	
.200	3.6569	
.250	3.2548	
.300	2.8808	
.350	2.2755	2.7115
.400	2.5714	********
.450	2.4187	
.500	2.3308	3.2708
.550	********	
.600	2.1272	2.9324
.650	2.0935	
.700	********	2.6541
.750	2.4694	
.800	2.3015	3.7938
.850	2.3036	
.900	2.6293	4.4191
.950	2.4073	
1.000	2.4450	3.5940
1.040	2.[illegible]	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB03)

RN/L (5) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.025	10.6277	
.050	8.9095	
.075	7.2370	
.100	6.2996	
.125	5.4983	
.150	....	
.175	4.3313	
.200	4.1475	
.250	3.4826	
[illegible]	3.2479	
.300	[illegible]	2.9925
[illegible]	[illegible]	....
.400	[illegible]	
.500	[illegible]	3.6526
[illegible]	....	
.600	[illegible]	3.1662
.650	[illegible]	
.700	....	3.0762
[illegible]	[illegible]	
.800	[illegible]	4.5924
.850	[illegible]	
.900	[illegible]	3.7260
[illegible]	[illegible]	
[illegible]	[illegible]	4.1359
[illegible]	[illegible]	

RN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0910 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.025	11.9267	
.050	9.0122	
.075	8.1261	
.100	[illegible]	
.125	[illegible]	
[illegible]	....	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
.300	[illegible]	3.4463
.400	[illegible]	....

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB03)

RN/L (6) = 8.000 MACH (1) = 8.081

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.450	3.1276	
.500	3.1108	4.1257
.550	....	
.600	2.9339	3.6357
.650	2.9457	
.700	....	3 6970
.750	4.9287	
.800	5.2110	5.8130
.850	6.5793	
.900	5.3041	4.6235
.950	5.8552	
1.000	5.6684	5.0689
1.040	4.7332	

PN/L (7) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	13.4202	
.050	10.4151	
.075	9.3902	
.100	8.3431	
.125	7.4441	
.150	....	
.175	6.0831	
.200	5.6401	
.250	5.0552	
.300	4.4448	
.350	3.4030	3.9916
.400	3.3343	....
.450	3.6533	
.500	3.6565	4.6442
.550	....	
.600	3.6603	4.2228
.650	[illegible]	
.700	....	5.0048
.750	6.2805	
.800	7.3566	5.4736
.850	9.0440	
.900	8.3027	5.8178
.950	[illegible]	
1.000	7.578	[illegible]

CH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB03)

RN L (7) = 10.000 MACH (1) = 8.106

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B P. .0000117.0000

Y	
1.040	6.1125

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OH14 B22C7F5M4V7W111 WING LOWER SURFACE (ODLW03) (21 JUN 76)

REFERENCE DATA

SREF = 2630.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0050

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.803 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)WING DEPENDENT VARIABLE CDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	1.9056		
.100	1.8757	1.8793	
.200	1.4060	1.7299	
.300	1.0133	1.4579	
.400	.9373	1.3265	1.3755
.500	.7614	1.2591	
.600	.7040	1.1534	1.0297
.700	.6467	1.0449	
.800	.5092********		.8098
.900	.3895	.5997	

RN/L (2) = 3.000 MACH (1) = 7.959 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)WING DEPENDENT VARIABLE CDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	3.8443		
.100	3.9337	4.2535	
.200	3.0915	3.8557	
.300	2.1563	3.2666	
.400	1.7360	3.0152	3.1927
.500	1.5148	2.9635	
.600	1.4021	2.8807	2.5552
.700	1.2992	2.6483	
.800	1.1428********		2.1211
.900	.9047	1.5400	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (OOLW03)

RN/L (3) = 4.000 MACH (1) = 7.996 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	3.9459		
.100	4.9841	5.3317	
.200	3.8979	4.6721	
.300	2.8132	3.6875	
.400	2.2952	3.4267	4.3271
.500	2.0201	2.8598	
.600	1.9017	4.2449	3.8851
.700	1.8057	3.9339	
.800	1.6181	*********	3.3862
.900	1.1785	2.2439	

RN/L (4) = 5.000 MACH (1) = 8.022 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	4.8634		
.100	5.1846	5.7651	
.200	4.1271	5.3130	
.300	2.9648	3.2457	
.400	2.4945	3.3443	5.7341
.500	2.1039	3.9511	
.600	1.9174	4.1519	5.4240
.700	1.7773	3.9852	
.800	1.6070	*********	4.9903
.900	1.3189	2.5499	

RN/L (5) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	5.3067		
.100	5.6207	6.6085	
.200	4.6273	6.5469	
.300	3.3109	6.9836	
.400	2.7453	5.0598	7.2593
.500	2.4311	5.4606	
.600	2.2450	7.7182	7.1228
.700	2.1139	7.4785	
.800	1.9330	*********	6.7682

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (OOLW03)

PN/L (5) = 6.000 MACH (1) = 8.044

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.900	1.6130	4.8556	

PN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	5.9358		
.100	6.4376	7.8295	
.200	5.9113	8.1372	
.300	4.3342	6.1840	
.400	3.6746	6.2641	10.0856
.500	3.3941	6.8555	
.600	2.9105	9.9905	10.2466
.700	2.9413	9.3264	
.800	2.9774	********	8.5356
.900	2.4539	5.8606	

PN/L (7) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4500	.6000	.8000
X/C			
.050	8.2015		
.100	8.3385	9.1333	
.200	7.3098	9.7119	
.300	5.3873	7.4736	
.400	4.5280	7.3373	8.8370
.500	4.3447	7.5956	
.600	3.8495	7.7746	8.3779
.700	4.1805	10.4430	
.800	4.4236	*******	9.9154
.900	4.1142	6.7814	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (OOLS03) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

PN/L (1) = 1.000 MACH (1) = 7.803 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.2576	.3138		.1787	.1121	.0308	
400.000				.3942				
425.000		.1979	.3369		.3578	.2591	.1029	
465.000								.0779
501.000	.1879	.0327	.0528		.0559	.0502	.0313	

PN/L (2) = 3.000 MACH (1) = 7.959 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.6780	.9149		.4776	.2576	.1381	
400.000				1.0937				
425.000		.4063	.8440		.9875	.8125	.2705	
465.000								.2090
501.000	.6691	.0835	.2022		.2144	.1826	.0878	

PN/L (3) = 4.000 MACH (1) = 7.996 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.8471	1.2245		.6895	.3528	.2219	
400.000				1.4717				
425.000		.5392	1.0603		1.3116	1.0842	.4265	
465.000								.2245
501.000	.9380	.1235	.2834		.3430	.2294	.0968	

ORIGINAL PAGE IS OF POOR QUALITY

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QQLS03)

RN/L (4) = 5.000 MACH (1) = 8.022 MACH = 8.0220 PO = 1218.8 TO = 1393.5 HO = .10200

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.9399	1.3916		.7983	.3740	.2244	
400.000				1.6335				
425.000		.5716	1.1515		1.4506	1.2782	.5645	
465.000								.2823
501.000	1.0711	.1288	.3237		.3720	.2787	.1084	

RN/L (5) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.0488	1.6255		.9593	.4321	.2872	
400.000				1.8612				
425.000		.6491	1.2725		1.6456	1.5451	.7535	
465.000								.4593
501.000	1.2873	.1835	.4023		.4702	.2974	.1252	

RN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.2162	1.9614		1.1584	.7182	.3493	
400.000				2.1749				
425.000		.7795	1.4813		1.8548	2.0048	1.1580	
465.000								1.3570
501.000	1.7212	.2274	.5153		.5809	.3031	.1034	

RN/L (7) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.4655	2.3126		1.4052	.8633	.4272	
400.000				2.5527				
425.000		.8902	1.7908		2.1448	2.5151	1.5901	
465.000								2.5673
501.000	2.2228	.2933	.5235		.6464	.2902	.2365	

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (OQLM03) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0050

PARAMETRIC DATA

ALPHA = 25.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.803 MACH = 7.8030 PO = 224.18 TO = 1259.0 HO = .44000-0

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	2.2974
.150	1.9359
.200	1.3317

RN/L (2) = 3.000 MACH (1) = 7.959 MACH = 7.9590 PO = 720.71 TO = 1370.5 HO = .79000-0

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	4.9753
.150	4.2229
.200	2.9803

RN/L (3) = 4.000 MACH (1) = 7.996 MACH = 7.9960 PO = 977.05 TO = 1435.5 HO = .92000-0

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	5.4538
.150	5.4534
.200	3.8203

RN/L (4) = 5.000 MACH (1) = 8.022 MACH = 8.0220 PO = 1216.8 TO = 1393.5 HO = .10200

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	6.2859
.150	5.8441
.200	4.0774

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OH14 TABULATED SOURCE DATA

OH14 B22C7F5M+V7W111 ORBITER FUSELAGE CHINE (QQLM03)

RN/L (5) = 6.000 MACH (1) = 8.044 MACH = 8.0440 PO = 1471.1 TO = 1400.5 HO = .11100

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	7.6250
.150	6.5818
.200	4.5810

RN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2022.0 TO = 1395.1 HO = .12800

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	8.573[illegible]
.150	[illegible]
.200	5.3.50

RN/L (7) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2530.9 TO = 1447.3 HO = .14300

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	9.8463
.150	8.6391
.200	6.2659

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QOLB04) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0050

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	3.7432	
.050	2.7423	
.075	2.4871	
.100	2.1845	
.125	1.9457	
.150	....	
.175	.5822	
.200	1.4665	
.250	1.2274	
.300	1.1766	
.350	.9419	1.0005
.400	1.08.2	....
.450	1.0305	
.500	1.0482	1.2705
.550	... .. .	
.600	.9 [illegible]	1.0511
.650	.8809	
.700	....	.8438
.750	.8217	
.800	.6609	7537
.850	.7453	
.900	.6503	.6842
.950	.5624	
1.000	4724	.5445
1.040	3697	

RN/L (2) = 3.000 MACH (1) = 7.954 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L	
.025	7.1670
.050	5.4724
.075	5.0155
.100	4.4427
.125	3.9167

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB04)

PN/L (2) = 3.000 MACH (1) = 7.954

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000:17.0000

X/L		
.150	********	
.175	3.2551	
.200	3.0469	
.250	2.6831	
.300	2.3[illegible]8	
.350	[illegible].8678	1.9531
.400	2.[illegible]	*********
.450	2.0636	
.500	[illegible]	2.[illegible]
.550	*** [illegible]	
.600	1.8187	2.1022
.650	1.7631	
.700	**** **	1.6643
.750	[illegible]	
.800	1.4516	1.4347
.850	[illegible]	
.900	[illegible]	1.4938
.950	[illegible]	
1.000	1.2902	1.5490
[illegible]	[illegible]	

PN/L (3) = 4.000 MACH (1) = 7.995 MACH = 7.9950 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000:17.0000

X/L		
.025	[illegible]	
.050	[illegible]	
.075	5.[illegible]	
.100	5.8159	
.125	5.[illegible]548	
.150	*********	
.175	4.2299	
.200	3.9865	
.250	3.[illegible]	
.300	3.[illegible]	
.350	2.[illegible]	2.6330
.400	2.6[illegible]75	********
.450	2.7632	
.500	2.8558	3.2336
.550	*********	
.600	2.9552	2.0207
.650	3.1453	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB04)

RN/L (3) = 4.000 MACH (1) = 7.996

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.700	********	2.5591
.750	4.0552	
.800	3.7570	2.9209
.850	4.7307	
.900	4.3017	3.3140
.950	3.8319	
1.000	3.5482	3.0641
1.040	2.8649	

RN/L (4) = 4.500 MACH (1) = 8.008 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .95000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.025	9.6861	
.050	7.5397	
.075	7.0440	
.100	6.2120	
.125	5.5061	
.150	********	
.175	4.5010	
.200	4.2291	
.250	3.8114	
.300	3.3799	
.350	2.6120	2.7952
.400	3.[illegible]	********
.450	2.9228	
.500	2.9232	3.4479
.550	********	
.600	2.8353	2.9557
.650	2.9176	
.700	********	2.5097
.750	3.5653	
.800	3.3.[illegible]	2.6412
.850	4.[illegible]75	
.900	3.9754	3.0044
.950	3.6077	
1.000	3.3284	2.9934
1.040	2.5659	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QOLB04)

PN/L (5) = 5.000 MACH (1) = 8.023 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. 0000117.0000

X/L		
.025	7.2614	
.050	[illegible]	
.075	7.0147	
.100	[illegible]	
.125	5.5309	
.150	....	
[illegible]	4.4682	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	
[illegible]	[illegible]	2.6821
[illegible]	[illegible]	....
[illegible]	[illegible]	
[illegible]	[illegible]	3.4510
[illegible]	....	
[illegible]	3.8175	3.2180
[illegible]	[illegible]	
[illegible]	......	3.3408
[illegible]	[illegible]	
[illegible]	[illegible]	4.5936
[illegible]	[illegible]	
[illegible]	5.1703	5.2541
950	5.4438	
1.000	5.1045	4.2719
1.040	4.0546	

PN/L (6) = 5.500 MACH (1) = 8.034 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	9.5156	
.050	7.6087	
.075	7.1221	
.100	6.3472	
.125	5.6226	
.150	....	
.175	4.5579	
.200	4.2883	
.250	3.8557	
.300	3.4329	
.350	2.5120	2.7836
.400	3.0798	....

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OCLB04)

RN/L (6) = 5.500 MACH (1) = 8.034

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.450	3.0695	
.500	3.3590	3.4947
.550	********	
.600	3.9714	3.3120
.650	4.5693	
.700	********	3.8328
.750	5.1447	
.800	5.6653	4.2129
.850	6.9635	
.900	6.3368	4.4368
.950	6.7166	
1.000	5.3334	4.6245
1.040	4.1243	

RN/L (7) = 6.000 MACH (1) = 8.045 MACH = 8.0450 PC = 1482.3 TO = 1396.8 HO = .11000

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	7.3855	
.050	7.9979	
.075	7.6352	
.100	6.7536	
.125	5.9683	
.150	********	
.175	4.6735	
.200	4.6547	
.250	4.1007	
.300	3.6430	
.350	2.6771	2.9449
.400	3.2422	********
.450	3.1959	
.500	3.4574	3.6713
.550	********	
.600	4.0006	3.3824
.650	4.6823	
.700	********	3.8902
.750	5.2259	
.800	5.[illegible]	5.7568
.850	7.[illegible]	
.900	6.6744	4.8081
.950	6.0516	
1.000	5.6764	4.8788

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB04)

RN/L (7) = 6.000 MACH (1) = 8.045

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. 0000117.0000

X/L	
1.040	4.3712

RN/L (8) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	12.3650	
.050	9.9456	
.075	9.4003	
.100	8.4619	
.125	7.5831	
.150	**********	
.175	5.2971	
.200	[illegible]	
.250	5.2634	
.300	4.5316	
.350	[illegible]	3.7034
.400	[illegible]	**********
.450	4.2271	
.500	4.6930	4.6021
.550	**********	
.600	5.7896	4.0961
.650	5.5766	
.700	**********	5.4295
.750	8.1442	
.800	[illegible]	5.9584
.850	[illegible]	
.900	[illegible]	6.45[illegible]
.950	6.6363	
1.000	6.0123	6.3068
1.040	6.3555	

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB04)

RN/L (9) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

X/L	B.P. .0000	17.0000
.025	8.9164	
.050	10.5393	
.075	9.8548	
.100	8.2495	
.125	7.3433	
.150	*********	
.175	6.7111	
.200	6.2592	
.250	5.4537	
.300	4.8001	
.350	3.3517	4.1391
.400	4.2580	*********
.450	4.1592	
.500	4.3803	6.4039
.550	*********	
.600	4.9725	6.4761
.650	5.9339	
.700	*********	5.9252
.750	9.5938	
.800	9.7522	6.5343
.850	12.0002	
.900	10.6017	9.2062
.950	9.4899	
1.000	8.6750	6.3785
1.040	6.8117	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QOLW04) (21 JUN 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	1.9433		
.100	1.9278	2.2048	
.200	1.4743	2.0649	
.300	1.0979	1.7285	
.400	.9113	1.5683	1.7391
.500	.8137	1.4590	
.600	.7555	1.3506	1.3813
.700	.7099	1.2123	
.800	.6516	*********	1.1326
.900	.5121	.7577	

RN/L (2) = 3.000 MACH (1) = 7.954 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	3.5364		
.100	3.7109	4.5502	
.200	2.3868	4.1830	
.300	2.1390	3.5684	
.400	1.7552	3.2457	3.5534
.500	1.5665	3.0548	
.600	1.4474	2.9068	2.8109
.700	1.3155	2.6507	
.800	1.1834	*********	2.2474
.900	.9527	1.5914	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QQLW04)

RN/L (3) = 4.000 MACH (1) = 7.996 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	4.7786		
.100	5.0124	6.0641	
.200	4.0132	5.5666	
.300	2.9619	4.7699	
.400	2.4984	4.4298	4.7147
.500	2.2829	4.3416	
.600	2.2279	4.1864	3.7521
.700	2.1517	3.9071	
.800	1.9946********		3.0024
.900	1.7032	2.3627	

RN/L (4) = 4.500 MACH (1) = 8.008 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	4.9841		
.100	5.2536	6.2008	
.200	4.2191	5.6299	
.300	3.0808	4.8845	
.400	2.5491	4.7135	5.0466
.500	2.2784	4.9633	
.600	2.1626	5.0030	3.9647
.700	2.2054	4.6984	
.900	1.8346*** ****		3.1374
.900	1.5269	2.6936	

RN/L (5) = 5.000 MACH (1) = 8.023 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	3.9478		
.100	5.2295	6.3922	
.200	4.4067	5.5546	
.300	3.3024	4.7668	
.400	2.8546	4.6898	5.5573
.500	2.7575	5.2622	
.600	2.9142	5.4840	4.2405
.700	2.9747	5.2344	
.800	2.9142********		3.3595

DATE 09 JUL 76

OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QOLW04)

RN/L (5) = 5.000 MACH (1) = 8.023

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.900	2.6040	3.1406	

RN/L (6) = 5.500 MACH (1) = 8.034 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	4.9260		
.100	5.2352	6.6205	
.200	4.5232	6.2808	
.300	3.4290	6.4210	
.400	2.9894	4.8202	6.0154
.500	2.9066	7.4115	
.600	3.0756	7.0415	4.8018
.700	3.0967	6.5060	
.800	3.0035	********	4.0750
.900	2.7045	3.7818	

RN/L (7) = 6.000 MACH (1) = 8.045 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	5.0486		
.100	5.4644	6.9404	
.200	4.6923	5.6595	
.300	3.4671	4.7355	
.400	2.3382	5.1420	6.4440
.500	2.7570	5.7474	
.600	2.9205	8.0737	5.5102
.700	2.9451	7.6032	
.800	2.8796	********	4.9419
.900	2.7000	4.6622	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (OOLW04)

RN/L (8) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	6.2619		
.100	6.6937	8.9163	
.200	5.9993	5.7096	
.300	4.7522	6.4386	
.400	4.2379	6.5371	8.3819
.500	4.2355	7.0965	
.600	4.9280	10.2644	8.0906
.700	5.1817	10.0500	
.800	5.4179	********	8.0435
.900	5.3228	6.6410	

RN/L (9) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	6.3892		
.100	7.8744	12.2566	
.200	8.5545	8.6508	
.300	10.9235	8.3111	
.400	7.4285	7.8599	9.1856
.500	7.2653	7.6879	
.600	9.9455	7.8126	11.6890
.700	9.5142	10.3896	
.800	9.0396	********	10.1343
.900	7.3852	7.0081	

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OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QQLS04) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0050

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.2995	.2556		.1495	.0919	.0318	
400.000				.3335				
425.000		.2007	.3642		.3173	.1827	.0497	
465.000								.0516
501.000	.2084	.0419	.0555		.0740	.0478	.0453	

RN/L (2) = 3.000 MACH (1) = 7.954 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.6579	.6825		.2809	.1080	.1182	
400.000				.8723				
425.000		.4155	.8575		.7579	.4480	.1081	
465.000								.0669
501.000	.4701	.0890	.1282		.0984	.1414	.1515	

RN/L (3) = 4.000 MACH (1) = 7.996 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.8929	.9547		.4123	.1520	.1653	
400.000				1.1984				
425.000		.5626	1.1425		1.0636	.6934	.1936	
465.000								.1463
501.000	.6741	.1243	.1770		.1842	.2111	.2377	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QOLS04)

RN/L (4) = 4.500 MACH (1) = 8.008 MACH = 8.0080 PO = 1082.2 TO = 1423.5 HO = .96000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.9553	1.0244		.4575	.2094	.1286	
400.000				1.2899				
425.000		.5980	1.2256		1.1745	.7489	.1713	
465.000								.1573
501.000	1.0154	.1093	.2311		.1900	.2233	.2477	

RN/L (5) = 5.000 MACH (1) = 8.023 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.9318	1.0452		.4834	.1806	.1330	
400.000				1.2751				
425.000		.6103	1.1942		1.1311	.8195	.1902	
465.000								.1644
501.000	.7829	.1329	.2895		.1964	.2290	.2405	

RN/L (6) = 5.500 MACH (1) = 8.034 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.9459	1.0736		.4945	.2169	.1305	
400.000				1.3180				
425.000		.6099	1.2173		1.1691	.8795	.1549	
465.000								.1487
501.000	1.0945	.1383	.3054		.2186	.2658	.2279	

RN/L (7) = 5.000 MACH (1) = 8.045 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.0602	1.1926		.5523	.2235	.1391	
400.000				1.4135				
425.000		.6368	1.3155		1.2837	.9810	.2212	
465.000								.1990
501.000	.8546	.1586	.3584		.2809	.1772	.1737	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QQLS04)

RN/L (8) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.3490	1.5143		.7688	.3484	.2105	
400.000				1.8398				
425.000		.8522	1.6276		1.7675	1.4814	.3832	
465.000								.3790
501.000	1.1720	.2192	.5242		.3569	.1928	.2286	

RN/L (9) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		1.4128	1.6876		.9578	.4818	.2515	
400.000				1.9851				
425.000		.9345	1.6815		1.8795	2.1593	.6519	
465.000								.4262
501.000	1.8848	.3000	.5685		.4546	.1863	.1674	

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (OQLM04) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 30.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.40 TO = 1268.0 HO = .44000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	2.4570
.150	2.1172
.200	1.5205

RN/L (2) = 3.000 MACH (1) = 7.954 MACH = 7.9540 PO = 696.45 TO = 1355.1 HO = .78000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	5.0020
.150	4.3471
.200	3.1823

RN/L (3) = 4.000 MACH (1) = 7.996 MACH = 7.9960 PO = 977.05 TO = 1427.4 HO = .91000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	5.5803
.150	5.7509
.200	4.1531

RN/L (4) = 4.500 MACH (1) = 8.008 MACH = 8.0080 PO = 1082.? TO = 1423.5 HO = .96000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	7.3617
.150	6.1590
.200	4.4441

DATE 09 JUL 76

OH14 TABULATED SOURCE DATA

CH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (OOLM04)

PN/L (5) = 5.000 MACH (1) = 8.023 MACH = 8.0230 PO = 1230.6 TO = 1433.1 HO = .10200

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	5.9741
.150	6.1506
.200	4.4015

PN/L (6) = 5.500 MACH (1) = 8.034 MACH = 8.0340 PO = 1350.0 TO = 1399.5 HO = .10600

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	7.1095
.150	5.2914
.200	4.5134

PN/L (7) = 6.000 MACH (1) = 8.045 MACH = 8.0450 PO = 1482.3 TO = 1386.8 HO = .11000

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	7.5287
.150	6.6369
.200	4.8566

PN/L (8) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2029.5 TO = 1435.8 HO = .12900

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	9.3441
.150	8.3241
.200	6.1775

DATE 09 JUL 76

OH14 TABULATED SOURCE DATA

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (OQLM04)

RN/L (9) = 10.000 MACH (1) = 8.106 MACH = 8.1060 PO = 2540.6 TO = 1390.0 HO = .14200

DEPENDENT VARIABLE QDOT

SECTION (1)CHINE

ANGLE 30.0000

X/L	
.100	9.7563
.150	8.7374
.200	6.5009

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OQLB05) (21 JUN 76)

REFERENCE DATA

SREF	=	2690.0000 SQ.FT.	XMRP	=	.0000 IN.
LREF	=	1290.3000 IN.	YMRP	=	.0000
BREF	=	1290.3000 IN.	ZMRP	=	.0000
SCALE	=	.0060			

PARAMETRIC DATA

ALPHA	=	35.000	BETA	=	.000
MACH	=	8.000			

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000:17.0000

Y/L		
.025	4.2653	
.050	3.2122	
.075	2.9763	
.100	2.6399	
.125	2.3488	
.150	********	
.175	[illegible]	
.200	1.6562	
.250	1.6733	
.300	1.4655	
.350	[illegible]	1.1910
.400	1.3675	********
.450	1.2955	
.500	1.3033	1.4676
.550	*******	
.600	1.1770	1.2254
.650	1.1327	
.700	********	.9980
.750	1.0704	
.800	.6497	.8877
.850	[illegible]	
.900	.5645	.6077
.950	[illegible]	
1.000	[illegible]	[illegible]
1.040	.4654	

RN/L (2) = 3.000 MACH (1) = 7.953 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000:17.0000

Y/L	
.025	7.8392
.050	6.1900
.075	5.7838
.100	5.1627
.125	4.6312

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB05)

RN/L (2) = 3.000 MACH (1) = 7.953

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000:17.0000

X/L		
.150	********	
.175	3.8615	
.200	3.6438	
.250	3.2923	
.300	2.9379	
.350	2.2603	2.3115
.400	2.6754	********
.450	2.5342	
.500	2.5053	2.6648
.550	********	
.600	2.1710	2.2578
.650	2.1342	
.700	********	1.8680
.750	2.0699	
.800	1.6269	1.5688
.850	1.9741	
.900	1.7637	1.5647
.950	1.5251	
1.000	1.3269	1.5979
1.040	1.0694	

RN/L (3) = 4.000 MACH (1) = 7.995 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000:17.0000

X/L		
.025	8.3036	
.050	6.7267	
.075	6.2822	
.100	5.6473	
.125	5.0683	
.150	********	
.175	4.2206	
.200	3.9630	
.250	3.5347	
.300	3.1943	
.350	2.4841	2.4708
.400	2.8762	********
.450	2.7937	
.500	2.7826	2.8015
.550	********	
.600	2.4959	2.3381
.650	2.5899	

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OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (OOLB05)

RN/L (3) = 4.000 MACH (1) = 7.995

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.700	********	2.0611
.750	3.0023	
.800	2.6856	2.1487
.850	3.3564	
.900	3.2202	2.3755
.950	3.0156	
1.000	2.9816	2.3428
1.040	2.5010	

RN/L (4) = 5.000 MACH (1) = 8.021 MACH = 8.0210 PO = 1209.[illegible] TO = 1433.1 HO = .10100

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 17.0000

X/L		
.025	8.8788	
.050	7.3334	
.075	6.9856	
.100	6.2641	
.125	5.6287	
.150	********	
.175	4.7130	
.200	4.4013	
.250	3.9212	
.300	3.5099	
.350	2.7722	2.6765
.400	3.1694	********
.450	3.1164	
.500	3.1966	3.1376
.550	********	
.600	3.2131	2.[illegible]
.650	3.6333	
.700	********	2.8722
.750	4.8650	
.800	4.5431	3.5281
.850	5.6652	
.900	5.2765	3.9455
.950	4.9524	
1.000	4.9641	3.5031
1.040	4.1500	

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB05)

RN/L (5) = 6.000 MACH (1) = 8.047 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	10.1878	
.050	8.3105	
.075	7.9328	
.100	7.1994	
.125	6.4630	
.150	********	
.175	5.4587	
.200	5.1205	
.250	4.5232	
.300	4.0175	
.350	3.0751	3.0700
.400	3.6497	********
.450	3.5922	
.500	3.7779	3.6091
.550	********	
.600	4.1502	3.2615
.650	4.9539	
.700	********	3.6851
.750	6.3279	
.800	6.5591	3.7886
.850	7.8331	
.900	7.3392	4.2467
.950	6.8806	
1.000	6.7232	4.7620
1.040	5.5973	

RN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000 117.0000

X/L	.0000	117.0000
.025	11.7221	
.050	9.6562	
.075	9.1836	
.100	.3294	
.125	7.5460	
.150	********	
.175	6.4782	
.200	6.0789	
.250	5.3622	
.300	4.8134	
.350	3.1531	3.5868
.400	4.4732	********

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB05)

RN/L (6) = 8.000 MACH (1) = 8.081

SECTION (1)BOTTOM

DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.450	4.6628	
.500	5.2705	4.1242
.550	********	
.600	6.9524	4.4816
.650	8.4460	
.700	********	6.0154
.750	11.1465	
.800	9.7323	7.7343
.850	11.3562	
.900	10.1603	8.2556
.950	9.4136	
1.000	9.0563	6.5585
1.040	7.4720	

RN/L (7) = 10.000 MACH (1) = 8.105 MACH = 8.1050 PO = 2523.2 TO = 1428.4 HO = .14200

SECTION (1)BOTTOM

DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L		
.025	8.9780	
.050	10.4825	
.075	10.0755	
.100	9.1685	
.125	8.360[illegible]	
.150	********	
.175	7.0677	
.200	6.5844	
.250	5.8293	
.300	5.2733	
.350	2.9515	3.7577
.400	5.1152	********
.450	5.7975	
.500	7.1048	5.3282
.550	********	
.600	10.4286	5.5285
.650	11.9203	
.700	********	6.8091
.750	13.4924	
.800	11.0721	6.8109
.850	12.9215	
.900	11.5005	9.6683
.950	10.6997	
1.000	10.3350	7.2789

OH14 B22C7F5M4V7W111 FUSELAGE LOWER SURFACE (QQLB05)

RN/L (7) = 10.000 MACH (1) = 8.105

SECTION (1)BOTTOM DEPENDENT VARIABLE QDOT

B.P. .0000117.0000

X/L	
1.040	8.2995

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OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QQLW05) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	2.1457		
.100	2.1472	2.4561	
.200	1.6514	2.2611	
.300	1.2606	1.8794	
.400	1.0527	1.6724	2.0390
.500	.9350	1.5405	
.600	.8845	1.4382	1.6202
.700	.8207	1.3289	
.800	.7661	********	1.2930
.900	.6101	.8432	

RN/L (2) = 3.000 MACH (1) = 7.953 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	3.8780		
.100	3.9819	4.7425	
.200	3.1496	4.2665	
.300	2.3880	3.4723	
.400	1.9552	3.0775	3.9761
.500	1.7538	2.9119	
.600	1.6312	2.8152	3.0446
.700	1.4822	2.6386	
.800	1.3748	********	2.3742
.900	1.1141	1.6444	

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QQLW05)

RN/L (3) = 4.000 MACH (1) = 7.995 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)WING DEPENDENT VARIABLE QDOT

X/C \ 2Y/B	.4000	.6000	.8000
.050	3.9876		
.100	4.2365	5.5279	
.200	3.3472	4.8674	
.300	2.5346	3.9472	
.400	2.0989	3.5398	4.6850
.500	1.9658	3.3839	
.600	1.9976	3.3010	3.5052
.700	1.9407	3.0997	
.800	1.9110	********	2.8160
.900	1.5872	2.0552	

RN/L (4) = 5.000 MACH (1) = 8.021 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)WING DEPENDENT VARIABLE QDOT

X/C \ 2Y/B	.4000	.6000	.8000
.050	4.3865		
.100	4.7601	6.2111	
.200	3.8867	5.5113	
.300	3.0687	4.6763	
.400	2.6776	4.3453	5.1522
.500	2.6522	4.2343	
.600	2.8845	4.1761	3.9628
.700	2.9901	3.9990	
.800	3.0051	********	3.3363
.900	2.6477	2.7110	

RN/L (5) = 6.000 MACH (1) = 8.047 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)WING DEPENDENT VARIABLE QDOT

X/C \ 2Y/B	.4000	.6000	.8000
.050	3.7381		
.100	5.2416	7.0871	
.200	4.4723	6.7739	
.300	3.6679	6.8476	
.400	3.3330	********	5.5459
.500	3.4390	********	
.600	3.9335	7.7452	5.0211
.700	4.1848	7.5174	
.800	4.2745	6.0075	5.0304

OH14 B22C7F5M4V7W111 WING LOWER SURFACE (QOLW05)

RN/L (5) = 6.000 MACH (1) = 8.047

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.900	3.7765	4.8697	

RN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	5.5337		
.100	6.2999	9.8711	
.200	5.7592	7.5280	
.300	5.2197	7.3321	
.400	5.1302	7.2048	7.2174
.500	5.5548	7.3342	
.600	6.4145	7.5001	8.2693
.700	6.7182	7.4437	
.800	6.7546	7.9611	10.2843
.900	6.0209	6.5178	

RN/L (7) = 10.050 MACH (1) = 8.105 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)WING DEPENDENT VARIABLE QDOT

2Y/B	.4000	.6000	.8000
X/C			
.050	6.5889		
.100	8.0062	8.6132	
.200	8.4614	7.7691	
.300	8.8715	7.5641	
.400	9.2643	7.4613	11.7794
.500	9.6384	7.6366	
.600	10.1007	8.0376	8.5674
.700	9.8822	7.9629	
.800	9.6352	10.3406	10.8693
.900	8.1482	8.0117	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QQLS05) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000 IN.
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0060

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

PN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.3275	.2316		.1204	.0534*********		
400.000				.3123				
425.000		.2296	.3657		.2943	.1469	.0441	
465.000								.0396
501.000	.2910	.0512	.0570		.0346	.0575	.0522	

PN/L (2) = 3.000 MACH (1) = 7.953 MACH = 7.9530 PO = 691.16 TO = 1405.4 HO = .78000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.7029	.5826		.2474	.0832	.0760	
400.000				.7747				
425.000		.4499	.8701		.7262	.2488	.1524	
465.000								.1008
501.000	.8359	.1039	.1704		.0982	.0854	.1724	

PN/L (3) = 4.000 MACH (1) = 7.995 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)TOP DEPENDENT VARIABLE QDOT

X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
W.P.								
375.000		.7810	.5720		.2456	.0707	.0887	
400.000				.8985				
425.000		.4903	.9634		.8835	.3015	.1251	
465.000								.1067
501.000	.732[illegible]	.0809	.2205		.1369	.1229	.1891	

OH14 B22C7F5M4V7W111 FUSELAGE UPPER SURFACE (QQLS05)

PN/L (4) = 5.000 MACH (1) = 8.021 MACH = 8.0210 PO = 1209.7 TO = 1433.1 HO = .10100

SECTION (1)TOP DEPENDENT VARIABLE QDOT

W.P. \ X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
375.000		.8856	.8064		.3353	.1167	.1247	
400.000				1.0536				
425.000		.5567	1.0782		1.0566	.4577	.1683	
465.000								.1147
500.000	1.1501	.1369	.2620		.1544	.1732	.2383	

RN/L (5) = 6.000 MACH (1) = 8.047 MACH = 8.0470 PO = 1493.1 TO = 1431.9 HO = .11100

SECTION (1)TOP DEPENDENT VARIABLE QDOT

W.P. \ X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
375.000		1.0458	.9698		.3930	.1419	.1117	
400.000				1.2477				
425.000		.6401	1.2255		1.2542	.5733	.1708	
465.000								.1570
500.000	1.4183	.1214	.2672		.1826	.2087	.2571	

PN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)TOP DEPENDENT VARIABLE QDOT

W.P. \ X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
375.000		1.2205	1.2110		.4292	.2205	.2156	
400.000				1.5287				
425.000		.7708	1.4427		1.6182	.6822	.2532	
465.000								.2129
500.000	1.8881	.1178	.0950		.1062	.1955	.6019	

PN/L (7) = 10.000 MACH (1) = 8.105 MACH = 8.1050 PO = 2522.2 TO = 1428.4 HO = .14200

SECTION (1)TOP DEPENDENT VARIABLE QDOT

W.P. \ X/L	.1700	.3000	.4000	.4250	.5000	.6000	.7000	.8250
375.000		1.3757	1.3784		.5965	.3329	.2501	
400.000				1.7672				
425.000		.8803	1.6257		2.0039	1.1314	.2925	
465.000								.1962
500.000	1.6168	.1646	.1809		.1547	.2066	.2712	

OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (QQLM05) (21 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 1290.3000 IN.
BREF = 1290.3000 IN.
SCALE = .0050

XMRP = .0000 IN.
YMRP = .0000
ZMRP = .0000

PARAMETRIC DATA

ALPHA = 35.000 BETA = .000
MACH = 8.000

RN/L (1) = 1.000 MACH (1) = 7.805 MACH = 7.8050 PO = 228.45 TO = 1339.3 HO = .45000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	2.7619
.150	2.4327
.200	1.8175

RN/L (2) = 3.000 MACH (1) = 7.953 MACH = 7.9530 PO = 69·.16 TO = 1405.4 HO = .78000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	5.4446
.150	4.8992
.200	3.6237

RN/L (3) = 4.000 MACH (1) = 7.995 MACH = 7.9950 PO = 973.32 TO = 1447.4 HO = .92000-01

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	5.9592
.150	5.3763
.200	3.9399

RN/L (4) = 5.000 MACH (1) = 8.021 MACH = 8.0210 PO = 1219.7 TO = 1433.1 HO = .10100

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	6.6201
.150	6.0238
.200	4.3898

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OH14 B22C7F5M4V7W111 ORBITER FUSELAGE CHINE (OQLM05)

RN/L (5) = 6.000 MACH (1) = 8.047 MACH = 8.0470 PO = 1499.1 TO = 1431.9 HO = .11100

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	7.5707
.150	6.9375
.200	5.0903

RN/L (6) = 8.000 MACH (1) = 8.081 MACH = 8.0810 PO = 2031.3 TO = 1431.7 HO = .12800

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	9.7758
.150	8.0975
.200	6.0784

RN/L (7) = 10.000 MACH (1) = 8.105 MACH = 8.1050 PO = 2502.2 TO = 1428.4 HO = .14200

SECTION (1)CHINE DEPENDENT VARIABLE QDOT

ANGLE 30.0000

X/L	
.100	9.5883
.150	8.6456
.200	6.5[illegible]